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Modern Machine Knitting is published monthly by Modern Knitting Ltd., P.O. Box 175, Kingston-upon-Thames, Surrey KT2 6HA.

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FROM THE EDITOR

We have a wonderful designer collection of mix and match knitwear for you this month – every item a winner in its own right, but together the makings of a complete wardrobe of knitted fashion. The collection includes such useful items as a classic polo neck sweater, a long line cardigan and a basic straight skirt (short and long version). Add to this the fashion items of leggings, hat, wrap and shawl and you can begin to create an up to the minute fashion look. The stylish swing jacket and sweater with collar will give you even more options and variations. We'll have more items for you to add to this mix and match collection next month and, because the whole collection is easy-to-knit, beginners and experts alike can create a whole new wardrobe of fashion knitwear. I bet, like me, you can hardly wait to get started on your new wardrobe. Remember, you can introduce favourite basic items of your own to individualise the look and add some fancier, more intricate sweaters or cardigans into the collection by choosing your colours carefully.

We also have a new series starting this month – Popular Pets. Designed by Jo Newton, who has so successfully supplied you with the Farmyard Collection and the Knitting from Nature series over the last couple of years. Popular Pets is surely going to be another winner. If you have any specific type of pet you'd like to be included, drop us a line and we'll see if we can include it.

Must dash now, I'm trying to make time to get started on my mix and match wardrobe.

Bye for now.

Laraine

Editor Laraine McCarthy.
Patterns Debbie Clarkson.
Fashion Sarah Pooley.
Knitting Sam Lamb.
Popular Pets Jo Newton.
The Swatch Spot Sarah Pooley.
Inspirational Intarsias Rosalie Davis.
Making the most of your Knitmaster Ribber Carol Didymus
Photography Liz McAulay.
Design England and Cook.

POPULAR PETS

(Part 1)

Every month, our Popular Pets feature will provide you with some delightful motifs – for both electronics and punchcard machines. Collect our pet designs every month and build up your own exclusive Popular Pet Collection.

ROUGH COLLIE/SHELTIE

The large picture is taken from a Rough Collie, and the smaller a Sheltie, but they are virtually interchangeable when portrayed in knitting.

Swiss darn eyes and noses in the same ply yarn as the main knitting. The shading on ears, etc. has been done with a fine yarn so that the contrast colour shows through, and some of it is only on half the stitch to create a tawny effect. This idea can be carried out on the dog's coat wherever desired to make a realistic portrait of a particular dog.

PATTERN NOTE

Yarns Used:

Large Picture
Forsell Shamal
533 Tobacco
502 Llama (Cream)

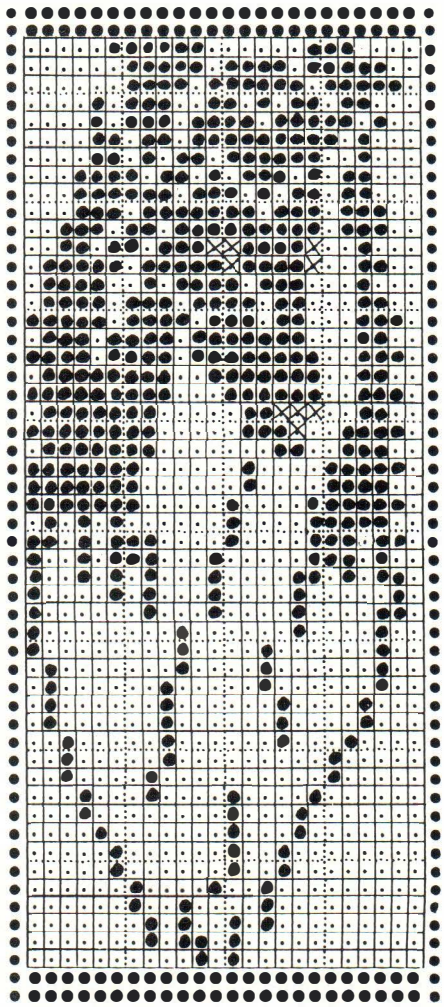
Small Picture
Forsell Pure New wool 4ply
113 Cinammon
100 Ivory

Machines:
Large Picture
For Electronic machines or machines with intarsia.

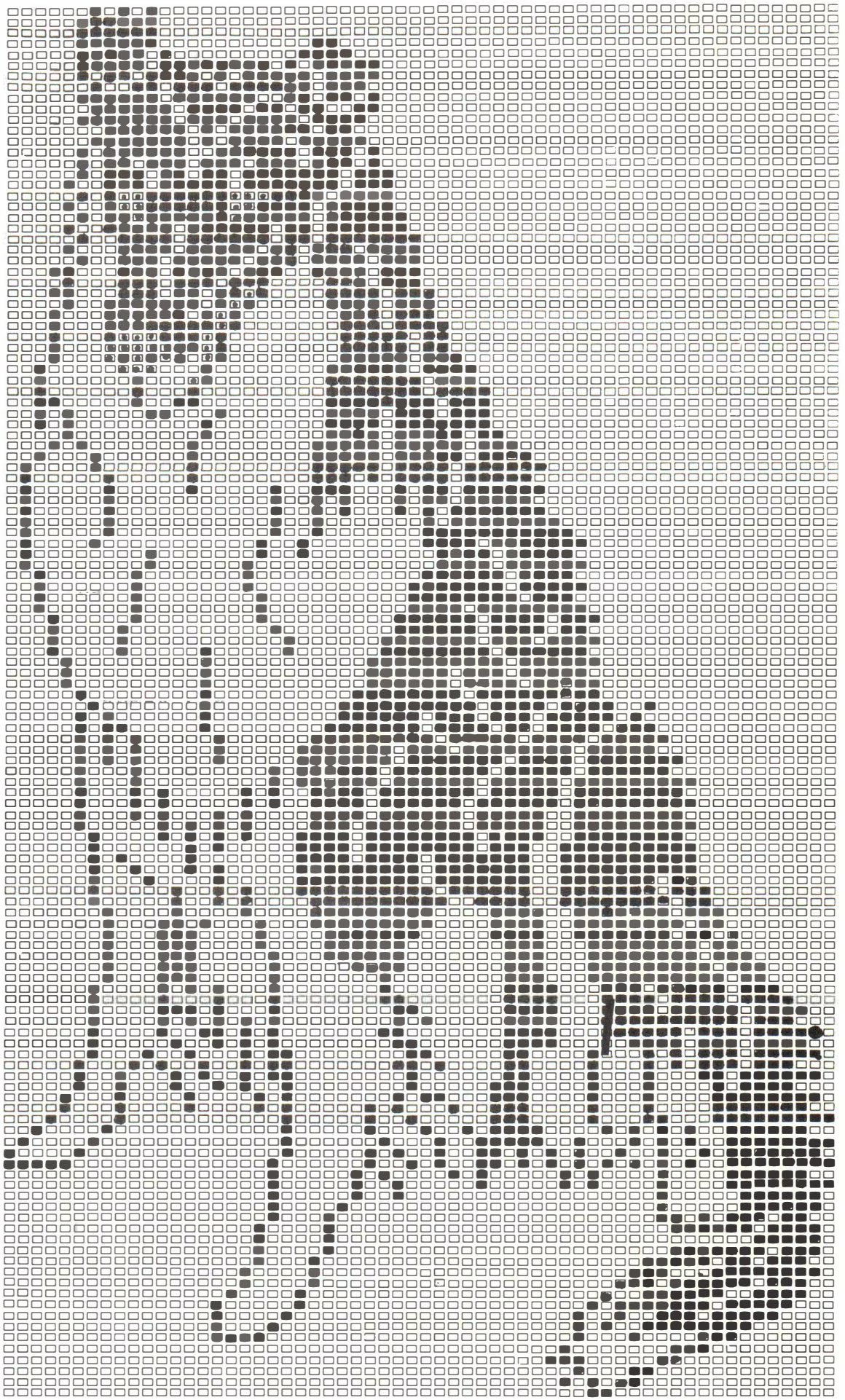
Small Picture
For 24 stitch punchcard machines or electronic machines.

Note:
When using the punchcard chart to make an electronic design card, fill in a square where the punchcard chart shows a hole.

Continued overleaf



◉ *Swiss darn eyes, nose and mouthline as indicated.*



KNITLINE

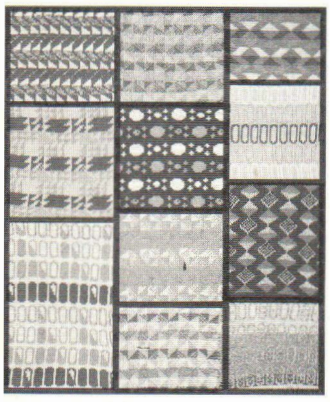
Pattern Leaflets

A selection of machine knitting pattern leaflets are available from Trisha Whitfield Designs by mail order or from knitting machine stockists. For details of the selection available, send an SAE to:

Trisha Whitfield Designs
5 Brentwood Avenue
Cadishead
Manchester M30 5JS

New Punchcard and Electronic Designs

Two new stitch pattern books are now available from Artika Designs — The Italian Collection contains 11 abstract Fair Isle designs which gain much of their impact from the imaginative use of colour combinations, which are illustrated on the front cover. Shadows, on the other hand, contains larger designs which need only a clear contrast between light and dark shades for their effect and so only shows black and white illustrations on the front cover.



Both books include helpful notes on each design and The Italian Collection also includes the pattern for a simple, slash neck sweater. A feature of both books is that the punchcards are produced full size to make punching easierwhile an electronic supplement is available for both to make tracing mylar sheets easy.

The Italian Collection cost £4.95 post free and Shadows, £3.95. Add £1 for each electronic supplement. Send cheques, P.O's or SAE's for information to:

Artika Designs Md.
41 Dundonald Road
London. NW10 3HP

Knit for Leukaemia

The customers of Allsew-Knit in Birmingham have been fervently knitting jumpers and cuddly toys as part of a special competition in aid of the Paul O'Gorman Foundation for Children with Leukaemia. 72 knitters submitted their work as part of the AllSew-Knit competition on Beacon Radio.

The knitwear was displayed at Wolverhampton Central Library from 19th November to December 1st. Afterwards, the 72 pieces of work went under the hammer at a London auction. Joint sponsors of the auction, the Chelsea Designer Sale; and The Paul O'Gorman Foundation, organised the sale, which was held on December 5th by actress, Rula Lenska.

According to Eddie O'Gorman, chairman of The Paul O'Gorman Foundation: "Our goal is to raise £2 million for leukaemia research. The people of the Midlands have made a stunning contribution to the Foundation and we are most grateful for their support".

"It's fantastic that this competition, which Beacon Radio recommended to us, has caused such a response from the people of the Midlands", said AllSew-Knit General Manager, John White. "The jumpers and toys which we received are superbly finished. I wish each entrant would win a prize".

Congratulations to the winners and to everyone for their superb effort.

The West Country & Wales

The biggest knitting event ever held in the West Country and Wales will take place when the 7th Southern Knitting and Needlecraft Exhibition is held at the Bristol Exhibition Centre on 1st-3rd March 1991.

Organised by Nationwide Exhibitions (UK) Ltd, this very successful exhibition first took place in Bristol in 1985 and has grown both in size and popularity over the years. The organisers confidently expect an attendance of well over 20,000 knitting enthusiasts to flock to the exhibition in 1991.

Experienced knitters and needlewomen or absolute beginners, this show has something for everyone. All the major spinners and manufacturers will be present, along with mail order companies, dealers, designers, publishers and specialist suppliers.

A full range of attractions is scheduled including guest speakers, advice centres, machine workshops, competitions, demonstrations, free draws, etc and visitors really should not miss seeing the fabulous full length fashion shows which take place throughout each day in the fashion show theatre.

The Southern Knitting & Needlecraft Exhibition, Bristol Exhibition Centre, 1-3 March 1991.

Admission: Adults £3.50, OAP's £2.00. Accompanied children under 14 free.

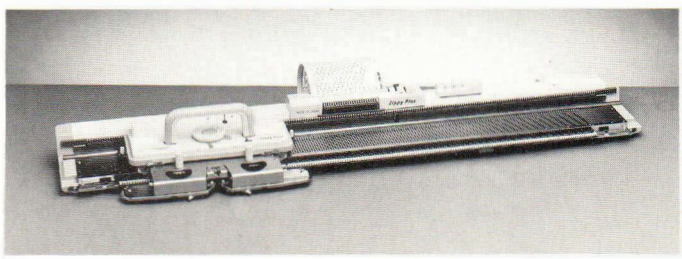
Opening times: 10.00am-6.00pm each day.

For further information please ring 0272 701370.

Knitmaster Machines

Towards the end of last year, Knitmaster Ltd went into liquidation, leaving us all wondering what would happen to the supply of those wonderful knitting machines and accessories which Knitmaster has imported from Japan and distributed in the UK for many years. But now we can breath easy again — they're back on the market under the name of Silver Reed. Silver Knitting Machines Ltd have taken on the distribution of all those wonderful knitting machines and accessories we once knew as Knitmaster and will now recognise as Silver Reed machines and accessories. A full 12 month guarantee will come with every Silver Reed product and a complete back up department has been set up by Silver Knitting Machines Ltd to maintain, service and repair all Silver Reed products. Silver Reed products will be fully available throughout the UK from the middle of March — ask your local knitting machine stockist for full details. And watch out fornews of exciting new Silver Reed products in the late Spring — we should have some news of these for you next month!

Isn't it reassuring to know that the machines and accessories we've loved for so many years are back with us!



The truly versatile punchcard machine we used to know as Knitmaster's Zippy Plus will now be available as Silver Reed's SK280.

THE SWATCH SPOT

1 2

3 4

This 'spring border' pattern is a particularly versatile punchcard because it's not only successful as a border design, but can also be used as an all-over pattern by returning the card to row 1, missing out the tulip flowerheads after each repeat.

We have adapted the card to a 12 stitch repeat for chunky machines so you can see how effective these flowers look knitted in bright chunky yarns. Don't forget to experiment with your colour combinations. We've used a stonger selection of colours than the original garment, which has more muted spring shades. Ice-cream pastels would make a lovely alternative as would a variety of spicey oranges. The choice is yours.

Fabric Instructions:

Yarns Used:
Col 1 — Cream (4ply)
Col 2 — Opal (4ply)
Col 3 — Scarlet (4ply)
Col 4 — Yellow (4ply)
Col 5 — Cream (Chunky)
Col 6 — Opal (Chunky)
Col 7 — Scarlet (Chunky)
Col 8 — Yellow (Chunky)

SWATCH 1

(For Standard Gauge Punchcard Machines)
Insert special card 1 and lock on row 1. Using col 2, cast on 30 sts each side of centre 0. (60 sts altog). Knit 20 rows stockinet and turn up a hem. Release card. Set carr for Fair Isle. With col 1 in feeder 1 and col 2 in feeder 2, knit 36 rows. With col 1 in feeder 1 and col 3 in feeder 2, knit 12 rows. Lock card. Set carr for stockinet. With col 1 in feeder 1 only, knit to required length. Cast off. Swiss darn centre of flowers using col 4 and following chart.

SWATCH 2

(For Standard Gauge Punchcard Machines)
Insert special card 1 and lock on row 1. Using col 2, cast on 30 sts each side of centre 0. (60 sts altog). Knit 20 rows stockinet and turn up a hem. *Release card. Set carr for Fair Isle. With col 1 in feeder 1 and col 2 in feeder 2, knit 36 rows. Return card to Row 1 and lock. Set carr for stockinet. Take carr across twice without knitting to memorise*. Rept from *to* for required length. Cast off. Swiss darn the centre of flowers using col 4 and following chart.

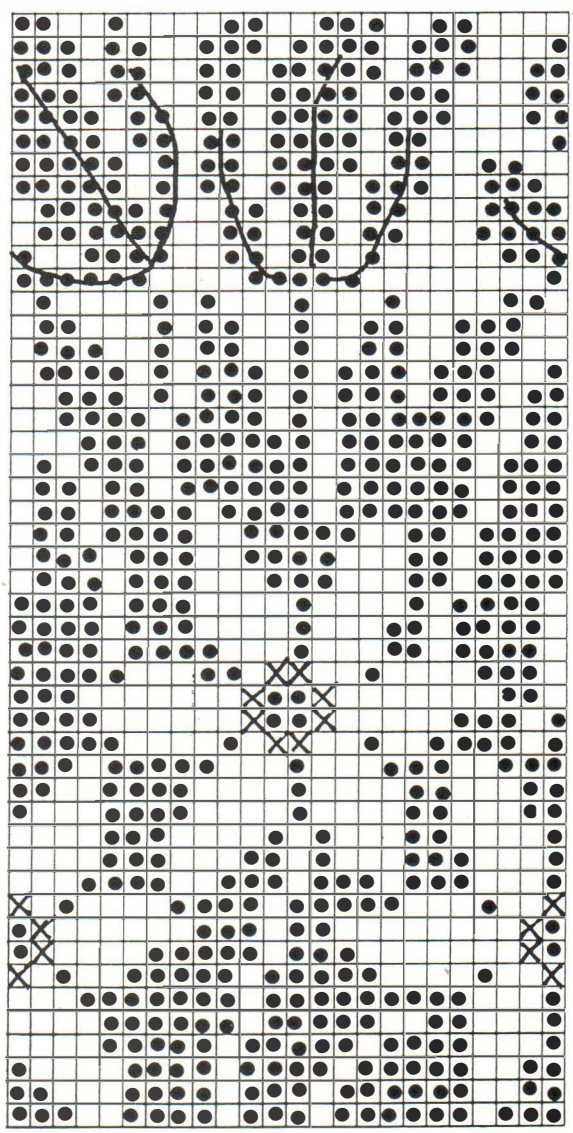
SWATCH 3

(For Chunky Punchcard Machines)
Insert special card 2 and lock on row 1. Using col 6, cast on 15 sts each side of centre 0. (30 sts altog). Knit 10 rows stockinet and turn up a hem. Release card. Set carr for Fair Isle. With col 5 in feeder 1 and col 6 in feeder 2, knit 29 rows. With col 5 in feeder 1 and col 7 in feeder 2, knit 9 rows. Lock card. Set carr for stockinet. With col 5 in feeder 1 only, knit to required length. Cast off. Swiss darn centre of flowers using col 8 and following chart.

SWATCH 4

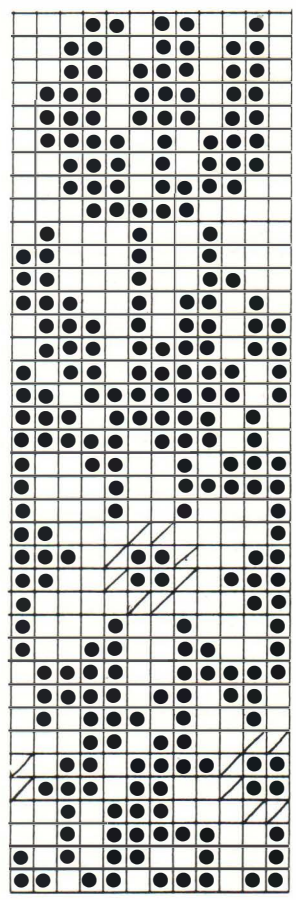
(For Chunky Punchcard Machines)
Insert special card 2 and lock on row 1. Using col 6, cast on 15 sts each side of centre 0. (30 sts altog). Knit 10 rows stockinet and turn up a hem. *Release card. Set carr for Fair Isle. With col 5 in feeder 1 and col 6 in feeder 2, knit 29 rows. Return card to row 1 and lock. Set carr for stockinet. Take carr across twice without knitting to memorise*. Rept from *to* for required length. Cast off. Swiss darn centre of flowers using col 8 and following chart.

Special Card 1 ***(For Standard Gauge punchcard machines)***



— *Backstitch incontrast if desired*
X Swiss darn in col 4

Special Card 2
For Chunky punchcard machines
/ Swiss Darn using col 4



MAKING THE MOST OF YOUR KNITMASTER RIBBER

(Part 8)

For most of us, the next most important and expensive aquisition after our knitting machine, is the ribbing attachment. However, the ribber tends to be the most under used piece of equipment – not that we don't use it all the time, we do, but only for ribbed welts, cuffs and neckbands. The ribber is under used in terms of the many stitch patterns which can be made on it, with or without punchcards. This series of articles is intended to redress the balance by encouraging beginners, and also more advanced knitters, to use the ribbing attachment to its fullest capacity.

This month we are going to investigate tuck patterning in conjunction with the ribbing attachment. This stitch comes under two headings in your ribber instruction book.

The first is headed PUNCH TUCK RIB. SRP60 & 60N page 41. SRP50 page 35. The second is TUCK RIB STITCH SRP60 & 60N page 42. SRP 50 page 36. What is the difference?

Punch tuck rib is knitted on a full needle rib setting so only fine yarns can be used i.e. 2ply, 3ply and 1ply industrial yarns.

Tuck rib stitch is knitted with a needle setting on the ribber so, because some of the needles are in non working position, 4ply yarn can be used as well.

The samples shown were knitted using punchcard 3A, electronic design card 1 pattern 3.

The first one was knitted as follows.

SAMPLE 1.
PUNCH TUCK RIB
PUNCHCARD MACHINES

*Put in the close knit bar.

Thread up with a smooth 2ply yarn, pitch lever on H5. Bring out to working position 30 needles each side of centre O on both beds. Carriage at left. Both stitch tension dials on O. Cam lever set for stocking stitch. Knit zig zag row, insert comb and weights, knit 3 circular rows, change both stitch dial tensions to 2,* and knit 9 rows in full needle rib.

Carriage at left. Insert card 3A into the machine and lock on row 1, knit to the right to programme in the card.

Set both stitch tension dials to 3, side levers back to ▼, unlock card, set cam lever to tuck⌒. Don't forget to use the edge weights to keep the ends of the knitting neat, move them up every 20 rows. Knit 100 rows. Remove knitting from the machine.

ELECTRONIC MACHINES

Follow instructions for punchcard machines from *to*.

Switch on machine, inspection light on, set point cams 1 stitch in from the edge at both ends of the main bed to prevent the end needles tucking. N1 cam at centre O, knit 10 rows. Carriage at right.

Set design sheet 1 into card reader to row 1 of pattern 3. Width indicator to 24.

No. 1 light to right, No. 2 light left on 500/550/560, right on 580.

Cam lever to tuck⌒, inspection light off. Use edge weights, moving them up every 20 rows. Knit 100 rows. Remove knitting from the machine.

SAMPLE 2
TUCK RIB STITCH

For the second sample the first thing to be decided is where the ribber needle arrangement is going to be. The placing of the ribber needles in relation to the tuck stitches on the knitter will determine the look of the pattern, so proceed as follows.

PUNCHCARD MACHINES

Take out close knit bar. Carriage at left. Thread up with a smooth 4ply yarn, cast on as for first sample, but only knit 2 circular rows. Both stitch tension dials to 2, knit 1 row.

Put in punchcard 3A and lock on row 1. Knit 1 row. Carriage at right. Side levers back to ▼, main bed stitch dial to 6, ribber bed to 5.

Unlock card, cam lever to tuck⌒, knit 1 row, you will now be able to see which needles are tucking, and you will notice that there are 2 needles on the ribber that lie on each side of the tucked stitches, transfer the stitches from these 2 needles to the needles on either side of the tuck stitch on the main bed. SEE DIAGRAM PAGE 12.

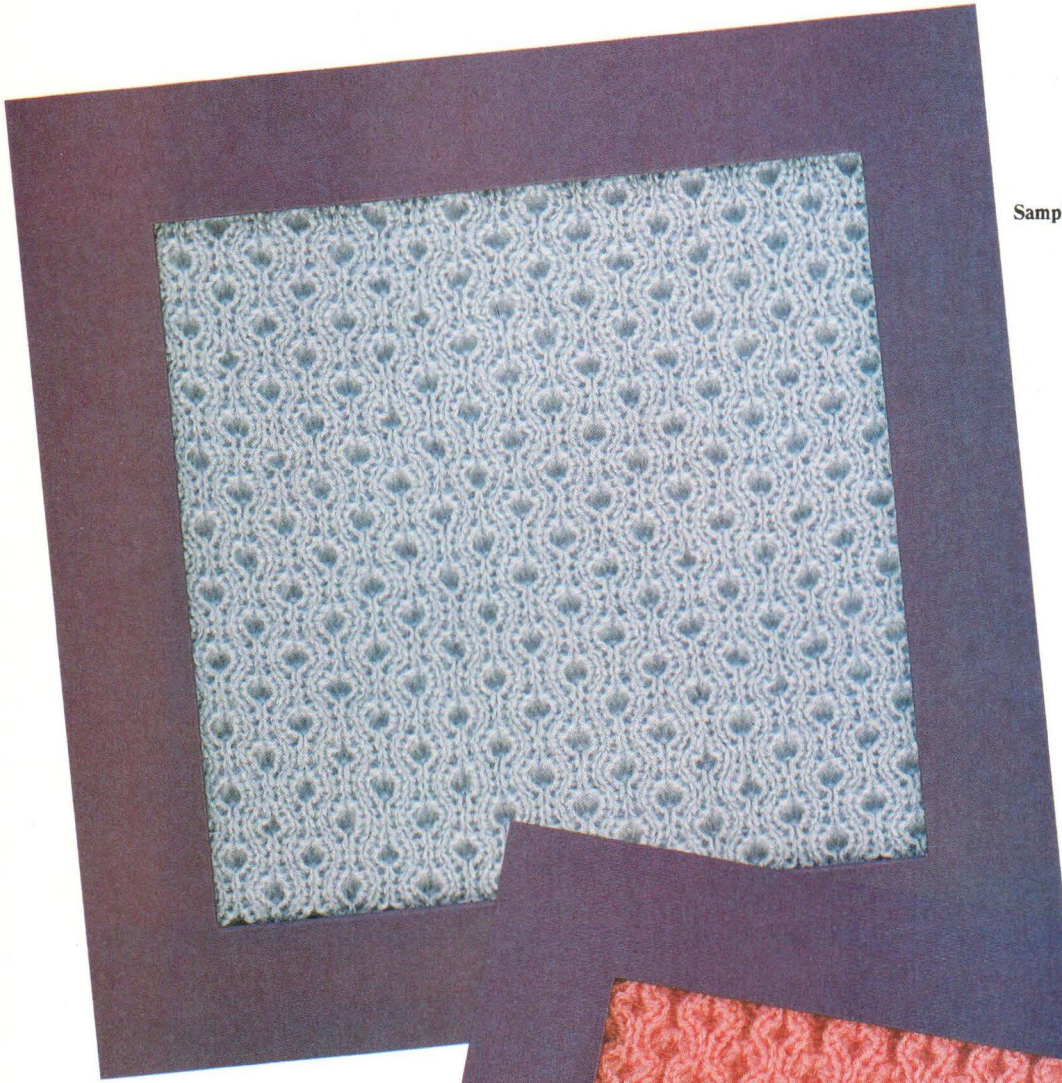
Make sure that the empty needles are fully back in non working position, carry on knitting for 100 rows. Remove knitting from the machine.

ELECTRONIC MACHINES

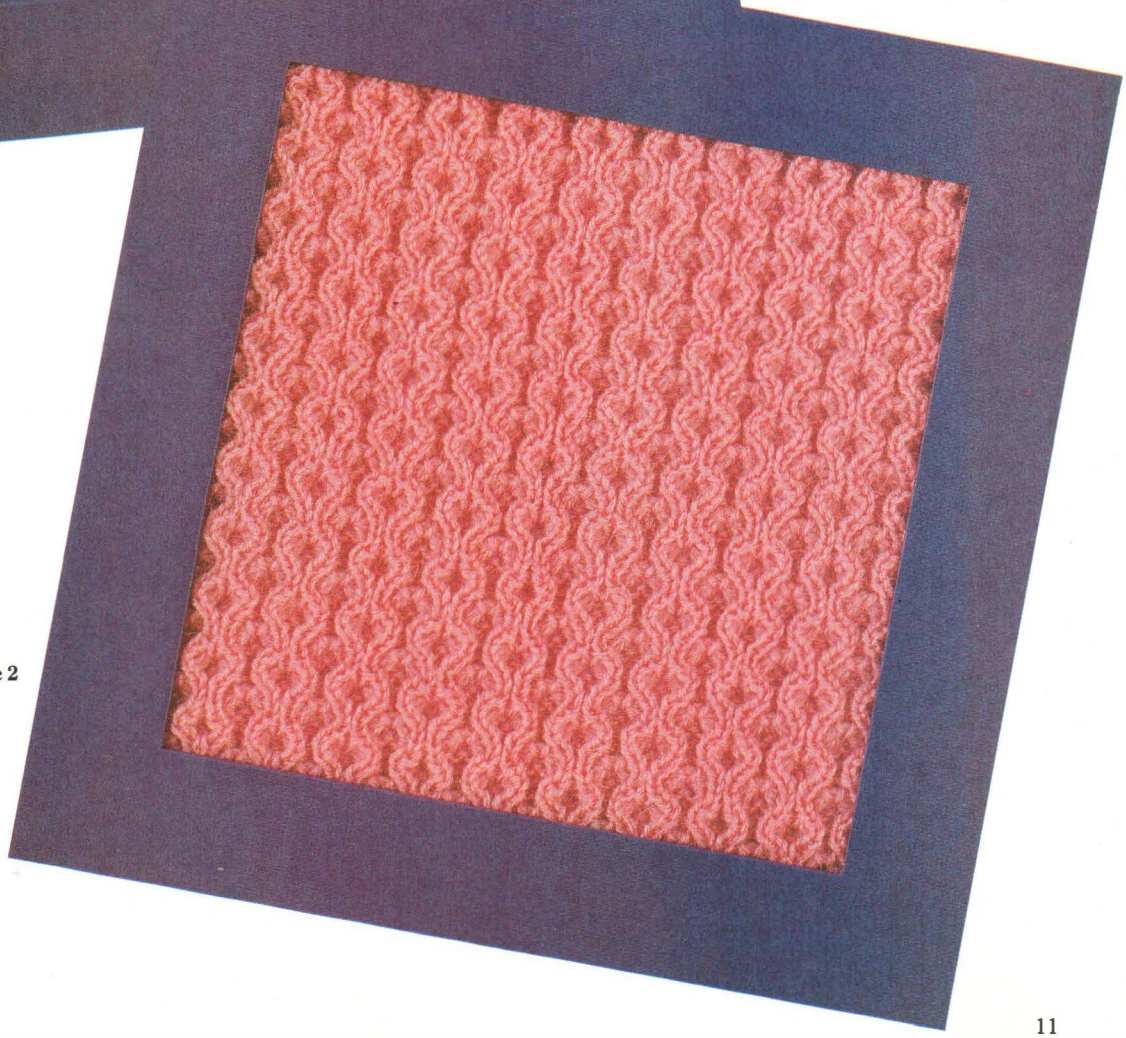
Switch on machine, inspection light on, set point cams and needle 1 cam as for first sample. Follow instructions as for punchcard machines from **to**. Knit 2 rows. Carriage at right. Set design sheet 1 into card reader to row 1 of pattern 3. Width indicator on 24, lights as for previous sample, stitch tension dials, main bed 6 ribber bed 5. Inspection light off, cam lever to tuck, knit 1 row.

Transfer needles as for punchcard

Continued overleaf

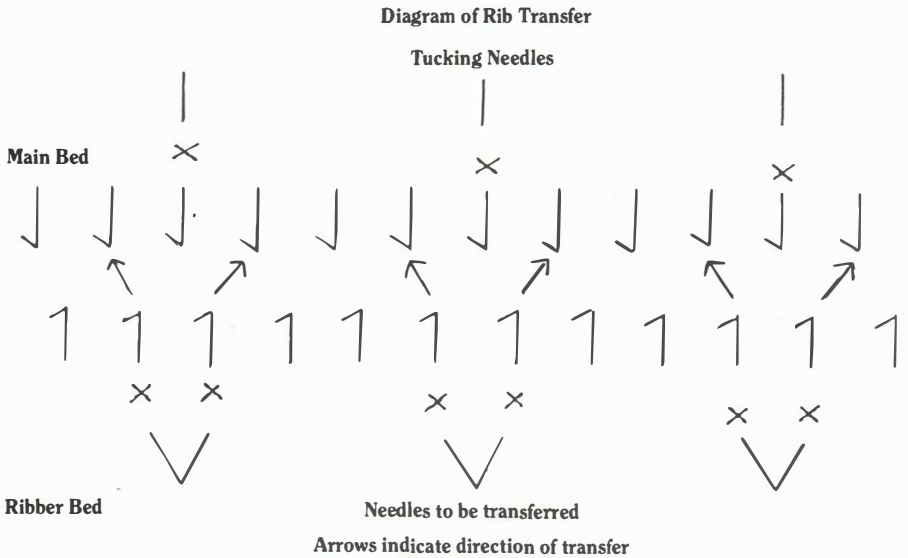


Sample 1



Sample 2

MAKING THE MOST OF YOUR RIBBER *continued*



machines. Knit 100 rows. Remove knitting from machine.

ALL MACHINES

Using this method you can use any tuck card you have to try out various needle settings and make notes of the ones you like for future reference, i.e. punchcard number and the letter denoting which side of the card was used, type of yarn, and a diagram of the needle setting in relation to centre O.

Electronic owners should note the design card pattern number, position of the needle 1 cam and the stitch width indicator number as well.

You can then determine which sort of rib to use for the welt if you want one. In the case of sample 2, a setting of 2 up 2 down on each bed would work well. Knit this as follows.

Stitch dial tension on both beds O.

Pitch lever on H5, cast on for full needle rib and knit 2 circular rows.

Change pitch lever to P5 and transfer the stitches for 2 × 2 rib, following the diagram to make sure that the stitches you leave on the ribber are the ones you want for the pattern. Knit the rib 3 tensions tighter than main.

Transfer the heels of stitches from the ribber to the empty needles on the main bed, leaving the stitch itself still on the ribber needle. Change pitch lever to H5 and knit in pattern.

Transferring the heel of the stitch is a bit of a fiddle, but if you hold down the butt of the ribber needle while you insert the double eyed transfer tool sideways into the heel of the stitch, it makes the job easier.

If you just transfer the stitches to the main bed normally and leave the ribber needles in working position they will pick up and knit, but will leave an unsightly hole, and the rib stitches will not line up with the pattern properly.

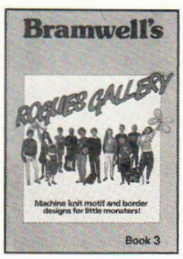
Next month pin tucks, or slip rib as it is sometimes known.

BEST SELLERS

FROM THE BRAMWELL BOOK RANGE

Bramwell are leading UK suppliers of pattern books and coned yarns for machine knitting which are all available at your local stockist. Both the illustrated patterns shown here are from Bramwell's Suit Yourself Book 2.

This second book of 20 imaginative suit and dress patterns makes you look and feel great for any occasion. 44 pages, 20 in full colour, complete with punchcards, diagrams and comprehensive instructions



A delightful collection of clever motif and border designs. This successful series of books each has 36 pages in full colour and also contains basic patterns.

The basic book for beginners to machine knitting. The patterns are written in chart form and include all the shapes you need to knit a complete set of classic knitwear for all the family.

These 22 easy-to-follow patterns with very simple shapes are ideal for the inexperienced knitter. Although produced for the Swissknitter machine, the patterns are suitable for most other machines.

Bramwell CHOICE · YARNS

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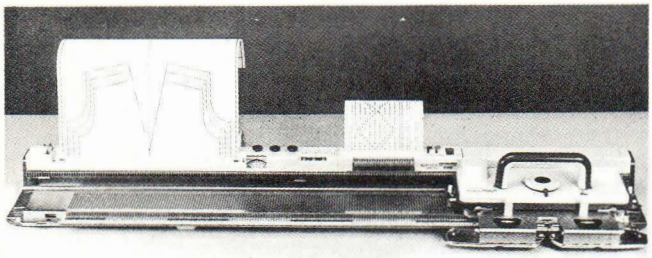

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INSPIRATIONAL INTARSIAS

Intarsia knitting is an important feature of modern knitting machines today — whether included as a facility of the main carriage or available as an additional intarsia carriage — and is a really fun way to create unusual and beautifully colourful pictures or geometric designs. Each month we investigate the use of intarsia, providing you with patterns, pictures and above all, inspiration to create your own designs.

"THE KINGFISHER"

This month's intarsia is, again, suitable for the menfolk as well as the ladies and would, of course be ideal for young ornithologists! Kingfishers must be some of the most beautifully coloured of the birds found in this country and, therefore, ideal for portrayal as picture knits. We hope you like our version.

In order to achieve the same effect as the original sample, use yarns as detailed below:
FORSELL'S Shamal 4 ply (80% Acrylic/ 20% Wool)
Main Colour: Llama (shade 502)
Kingfisher's head and wings: Electric (shade 552)
Kingfisher's body: Burnt Orange (shade 546) and Lemon (shade 522)
Branch: Brown (shade 564)
Twig: Bark (shade 548)
Beak outline: Black (shade 520)
FORSELL'S Software 4ply (60% Wool/ 40% Nylon)
Beak: School Grey (shade 930)
TWILLEY'S Goldfingering 4ply (80% Viscose/20% Metallised Polyester)
Kingfisher embroidery: Royal blue

Also required: 1 small, round shanked black button.

Before starting, wind off 5 balls in Llama, 2 balls Electric, 2 Burnt Orange, 2 Lemon, 2 Bark and 2 Brown. In some cases only small amounts will be required. Only 1 ball is required in School Grey. Use yarn from the cone forthe background at the top, bottom and one side of the design.

MACHINES

Standard gauge with intarsia facility. If the design is to be hand knitted or Swiss darned, the finished design will be the same as shown on the chart and not reversed as with machine knitting.

The design covers 59 stitches and 91 rows.

DECORATION

As is often the case, our Kingfisher benefits from some very simple embroidery stitches, to add definition to some parts of the design and also to incorporate extra interest and give a more realistic representation. In this particular case, the only stitch used is straight stitch, very simple indeed! The body of the Kingfisher can be knitted using all Burnt Orange; omitting the Lemon and small Brown parts, removing the need for outlining to define this part of the design. However, this additional detail does give a more interesting and realistic effect and is well worth the small amount of extra time involved. Since the Lemon is close in colour to the Llama used for the background, these parts of the design have been outlined using straight stitches in the main body colour of Burnt Orange. Straight stitches have also been used to outline the beak in black. Although the School Grey contrasts well with the cream coloured background, the knitted beak is one piece and not in two separate parts, so the outlining allows for this definition.

Straight stitches have also been used to outline the Bark parts of the branch and twig and to give some bark markings on the Brown branch. However, you could, if you wanted, be a little more adventurous with this part of the design, maybe adding a few knots and knarls, incorporating some french knots with the straight stitches. As always, we hope our original samples will trigger off ideas of your own so that your intarsia designs are individual to you.

Since Kingfishers have the most beautifully shiny, vivid feathers, Twilley's Goldfingering in Royal blue has been used to outline the head and wings parts of the design. Because this is a metallic and, therefore, very brilliant, sparkly yarn, using it just for the straight stitch outline is sufficient to give the impression of these luxuriant feathers. You may prefer to add a little more embroidery detail on the wings using the Royal goldfingering, but too little is better than too much!

The Kingfisher's eyes has been omitted from the charted design since this is far more realistic if added in the form of a round black button as on our original sample. A shanked button is more suitable than one with holes through the centre of the button.

ADAPTIONS AND VARIATIONS

For a really vivid Kingfisher, you may prefer to use the Twilley's Goldfingering in Royal blue for the complete knitted part of the head and wings instead of the Shamal Electric blue.

This is another design which would be very suitable for the back of a garment as wellas the front of a sweater. If you're feeling particularly keen (or patient!), the Kingfisher could be knitted on both the front and back of the same garment, remembering to knit the design facing the opposite direction on one part, so that on the finished garment you would have both sides of the Kingfisher, both now facing the same way. Remember to omit the part of the small twig which is in front of the bigger branch on one of the knitted designs (as this would actually be behind the branch if seen from the other side) and also to omit the Bark coloured part at the top of the Brown branch and the Brown part at the top of the small twig, as these would be facing away from you.

If knitting the Kingfisher on the back of a jacket, there are several ways of adding interest to the rest of the garment. Since buttons are available in just about every shape and size these days, apart from bird shaped buttons, anything

Continued overleaf

INSPIRATIONAL INTARSIAS *Continued*

associated with water could be used, such as fish or frogs. Rainbow Buttons have some pretty dragonfly buttons, which would also be suitable, as well as some rather fun frogs and fish buttons and gold or silver earrings, which could no doubt be put to other uses! If you would like a copy of their full colour mail order catalogue, please send a cheque or postal order for £1.00 to: Rainbow Buttons, 44 Sanderson Road, Jesmond, Newcastle-upon-Tyne, NE2 2DS, quoting this issue of Modern Machine Knitting.

If the Kingfisher is placed on the back of a jacket or sweater, one or two fish, using the School Grey Software, could be knitted on the front, either as single motifs in positions of your choice, or maybe on pockets. The fish could be given some extra interest with a little black embroidery and small round button eyes and maybe a few pearl bead 'bubbles'.

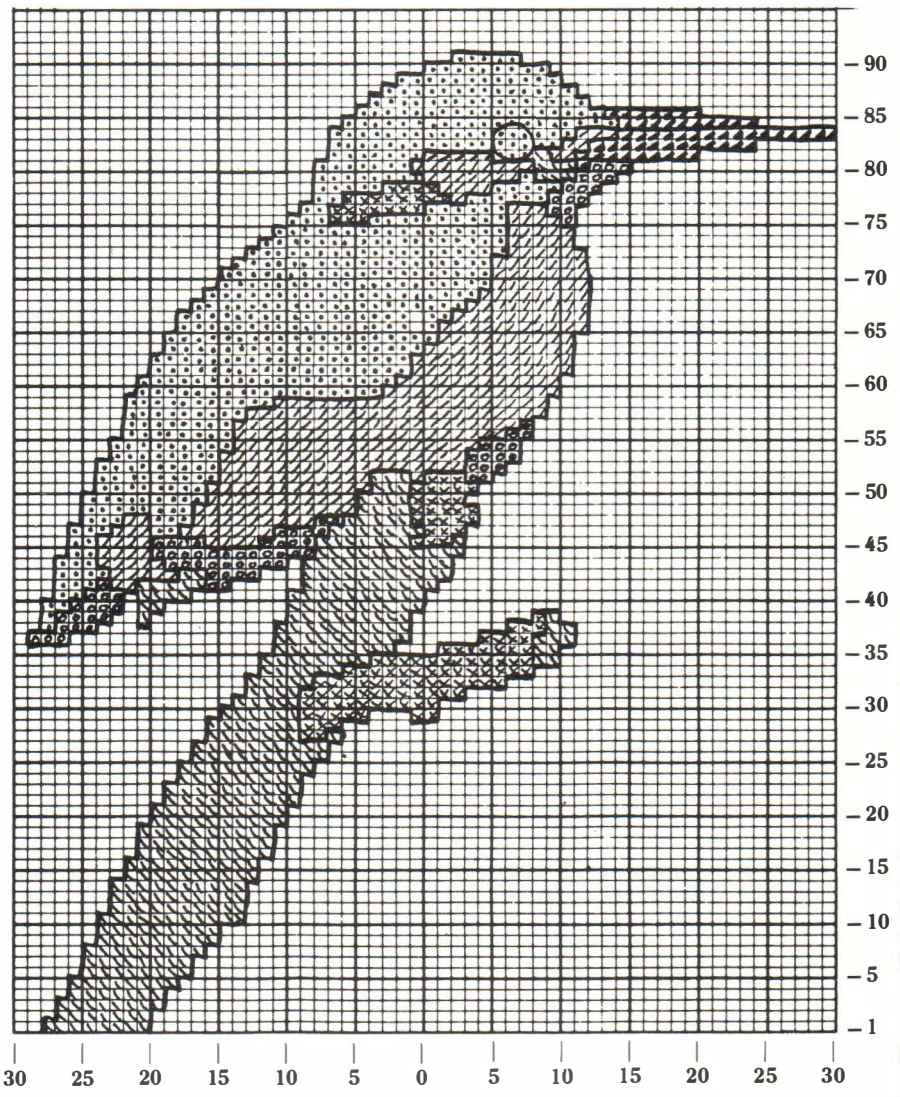
To illustrate the many uses of any one design, the 24 stitch 'grasses' border pattern included in last month's "Moorland Pony" Inspirational Intarsias article, could also be used with this month's "Kingfisher". Instead of knitting the grass design normal size, set your machine to knit double length (either electronic or punchcard machines) and knit the grass design in any shade of brown or green. Or, if you want to keep the design to the same colour range, either Bark or Brown could be used for the border to represent reeds or rushes. If knitted above the welts and cuffs, this would also add interest to the rest of the garment. A few dragonfly buttons as mentioned previously could be scattered amongst these reeds, and would be very effective. Begin the branch of the intarsia design immediately upon completion of the rushes. However depending on the required length of the finished garment, you may need to extend the branch, but if knitting a total of approximately 200-220 rows for the back or front of a garment, knit the design exactly as the original sample. Eg. knit 10 rows plain main colour after finishing the rib, then 40 rows (double length) for the rushes, then 91 rows intarsia design. This will give a total of 141 rows, leaving approximately 30-50 rows main colour before starting the front neck shaping).

On a lady's garment, a bit of extra 'sparkle' could be added by knitting a few fine stripes in the ribs, using the Goldfingering in Royal blue.

See you next month with another Inspirational Intarsia, again incorporating ideas for surface decoration.

THE KINGFISHER

- *Llama*
- *Electric*
- *Burnt Orange*
- *Lemon*
- *School Grey*
- *Brown*
- *Bark*



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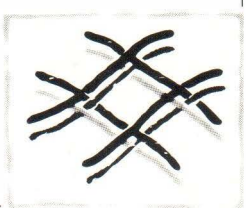

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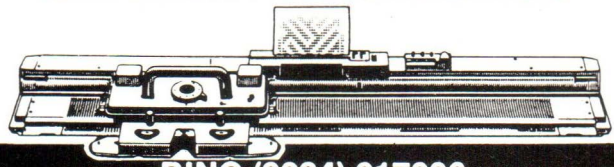

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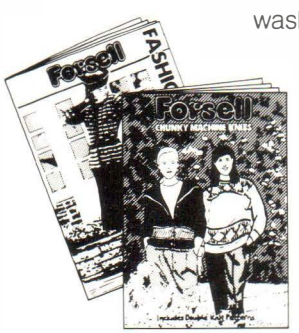

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LETTERS, HINTS & TIPS

If you have an amusing or interesting bit of chit-chat or a helpful hint which you'd like to share with your fellow readers, or perhaps have a question or a problem you think your fellow readers can help with, write to us — we'll send you a £5 reward if your letter is published.

Dear Laraine,

Here is a tip for your readers who end up with lots of tension pieces and have forgotten the tension dial number it was knitted on. When you have completed the tension piece and put it onto waste yarn simply make holes for the number the tension was done on ie. transfer the appropriate number of stitches onto their adjacent Ns, leave empty Ns in WP and knit a few more rows waste yarn before removing from machine.

Yours sincerely,

Mrs V.A. Boyle, Doncaster, S. Yorks.

Dear Laraine,

Last year I used my punch to make my own Christmas tags from old birthday cards. This time my punch came in handy when my favourite knitting pattern fell apart. After getting the pages into their correct order, I first pierced a small hole with a pin then punched a hole on the same spot. Doing this twice, I then laced the pages together with a ribbon. My punch also came in useful when I needed an extra hole in a belt, as before making a pin hole before punching. To keep the punch sharp, simply punch holes in fine sandpaper.

Yours sincerely,

Joyce Woodruffe, Havant, Hants.

Dear Laraine,

The 7-prong transfer tool for standard guage machines.

When first you start using one of these gadgets, you feel like a toddler eating jelly with a tablespoon! Take heart though, for with a little practice, all unfavourable symptoms soon disappear!

Assuming you are already happy with using your normal 3-pronged transfer tool, begin your first transactions on the new tool by bringing forward just the three central prongs and securing them in position. Using the new tool this way you become accustomed to holding on to a wider handle, whilst the business end is virtually the same as your original three pronged tool. Practice using one extra prong each day. This way your confidence builds up faster than you realise. No harm at all can be done just doing a few dry runs either. Engage tool eyelets with machine needle hooks and just draw the needles forward and back. Imagination fills in for the yarn!

It may be helpful to remember that stitches, like water, do not usually run uphill. With that in mind, keep the prongs pointing upwards until the needle hooks are actually engaged, and this will greatly reduce the risk of dropped stitches.

Having come to terms with efficiently working any number of prongs from one to seven side by side, the next sensible step is to work with alternate prongs. Begin with just two prongs, ie. No. 3 and No. 5. Fiddle about on waste knitting. Step up to three working prongs — use Nos. 1,3 and 5. When you feel easy with those, add No. 7 to your repertoire.

Next, work in any of the sequences you have already taught yourself, but work on the right half from right to left, and on the left half from left to right. You should start turning the tool over (upside down) even though at this stage it may not be necessary. It will stand you in good stead when you come to working your fancy raglans. Right-handed or left-handed, this tool can be used equally satisfactorily. (Being left-handed is no good reason to offer for not having a go!)

For early trials, use a fairly easy-going yarn, 3ply or 4ply with no knobbly bits. It will all become considerably easier with practice. Bear in mind that your first priority is to become accustomed to handling your new little piece of equipment.

When patterns instruct you to transfer every 5th stitch to its neighbour, you have probably though' easy, and, guided by the needle bed strip numerals, the job has been done fairyly quickly. As from now, equipped with your versatile transfer tool, you can transfer stitches from alternate spacings right up to 6 stitch spacings, and even faster than before. Picot edgings become a doddle. Single bed fold-up hems are speeded up a lot. Simply adjust your prongs, screw firmly, line up the work correctly at the very beginning, and away you go.

Decorative lace patterns in columns or borders can be very effective, and easy to do. Plain jumpers and baby garments can soon be given a simple border, or yoke, or column of lacey holes. Diamonds, triangles and 'squares' are always classic.

The tool is also ideal for working fully-fashioned shaping transfers and for decreasing across a row.

In fact, the 7-prong transfer tool is simply another handy and inexpensive machine knitters gadget that you soon start wondering how on earth you used to manage before you had one. Another thing — it is not the type of accessory which you are likely to put back into its box between sessions. It will quickly become one of those things you reach for automatically. I wouldn't like to be without mine. It would be like trying to work in a kitchen with no tablespoon!

Yours sincerely,

Margaret Harris, Okehampton, Devon.

Dear Laraine,

I would be very grateful if any of your readers could help me. I have bought, through your advertisments, a Knitmaster 700, but find that some knitradar sheets are missing. Is any reader prepared to photocopy the missing sheets. I would of course pay for these and any postage. The missing sheets are.

A-1 I+II back and front
A-3 III sleeve + A4 I back
B-3 III sleeve (saddle shoulder) + B4 II back (vest)
C-1 II front III back (girls cardigan)

I would be grateful for any help.

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BLACK LEGGINGS

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For Standard Gauge Punchcard & Electronic Machines with Ribbing Attachment.

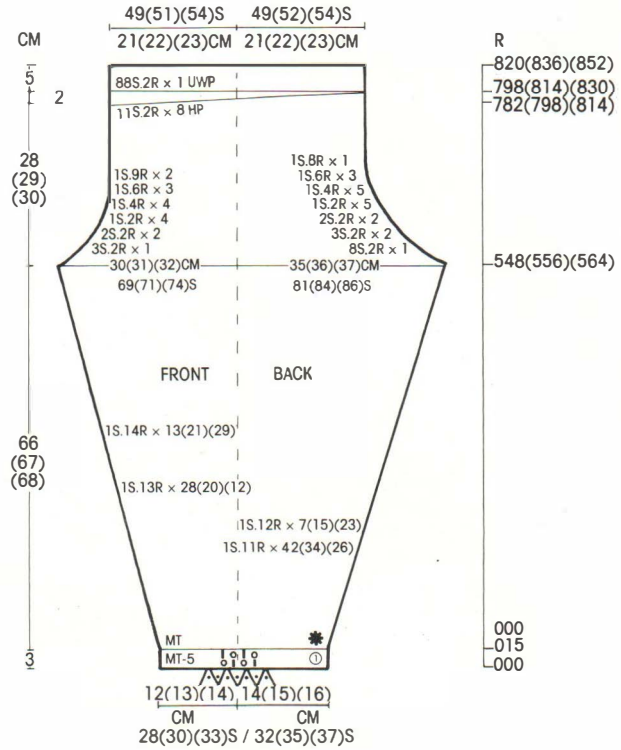
SIZES:
To fit 91(96)(101) cms/36(38)(40) inch hips.

APPROXIMATE YARN TYPES AND AMOUNTS:
4ply
Col 1 (Black) — 360(430)(500) grms
Elastic to fit waist.

TENSIONS:
Tuck Stitch — 23 sts and 83 rows to 10 cms. TD at approx. 5 (MT)
1 × 1 rib — 48 rows to 10cms. TD's at approx. MT-5.

PATTERN NOTE:
Tuck Stitch — see chart from Pattern 5.

MIX 'N' Collection MATCH



FIRST HALF:
Push 28(30)(33) Ns at left and 32(35)(37) Ns at right of centre O to WP. 60(65)(70) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 15 rows. Transfer sts to knitter. RC 000. MT. Continue in tuck stitch. Shape as shown on diagram to Row 548(556)(564). 150(155)(160) sts.
Shape Crotch
Shape as shown on diagram. 98(103)(108) sts. Knit to Row 782(798)(814).
Shape Top
Set carr for partial knitting. Always taking yarn round first inside N in HP. Push Ns shown on diagram to HP to Row 798(814)(830). Continue in stockinet. Push Ns shown on diagram from HP to UWP. Knit to Row 820(836)(852). Cast off.

SECOND HALF:
Knit as for First Half but in reverse.

TO MAKE UP:
Pin out to size and steam carefully. Join inside leg seams. Turn one leg inside out and insert one leg into other. Join crotch seam. Turn to right way. Fold stockinet in half to inside and catch down, leaving an opening. Insert elastic and join ends. Close opening. Give final light steam.

Pattern 2 on page 22.

Pattern 3 on page 23.

Patterns 1, 2 & 3

Pattern 2

BRIGHT YELLOW WRAP

Wraps are not only warm to wear but extremely trendy at the moment. We've knitted ours in zappy bright yellow to brighten up a dark coat or sweater, but of course you can knit it in any desired colour.

For Standard Gauge Punchcard & Electronic Machines with Ribbing Attachment.

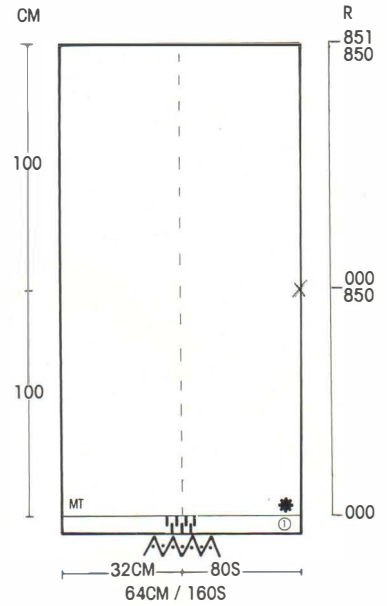
SIZES:
One Size.

APPROXIMATE YARN TYPES AND AMOUNTS:
4ply
Col 1 (Inca) — 930 grms.

TENSION:
Tuck Stitch — 25 sts and 85 rows to 10 cms. TD at approx. 5 (MT).

PATTERN NOTE:
Tuck Stitch — see chart from Pattern 5.

MIX 'N' Collection MATCH



TO KNIT (2 pieces):
Push 80 Ns at left and right of centre O to WP. 160 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for double rib. Using col 1, cast on and knit 3 circular rows. Transfer sts to knitter. RC 000. MT. Continue in tuck stitch. Knit to Row 850. Mark right edge with waste yarn. RC 000. Knit to Row 850. MT+5, knit 1 row. Cast off. Knit second piece in reverse.

TO MAKE UP:
Pin out to size and steam carefully. Join seam up to marked point. Give final light steam.

BRIGHT YELLOW HAT

This basic shaped hat has been edged in black fur for interest, and matches our fun wrap for a great winter look.

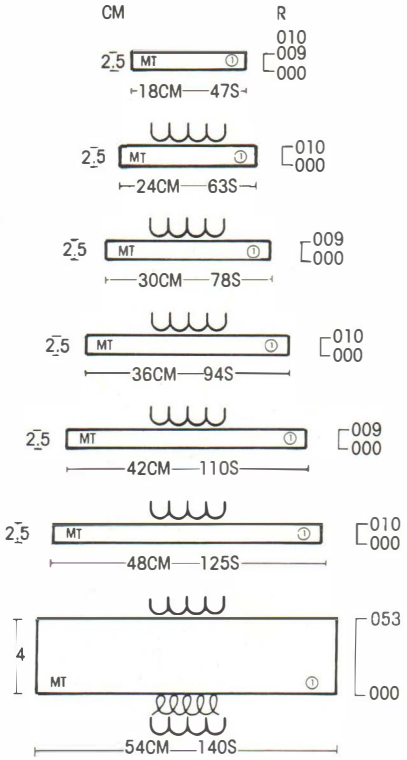
MIX 'N' MATCH Collection

For Standard Gauge Machines.

APPROXIMATE YARN TYPES AND AMOUNTS:
4ply
Col 1 (Inca) — 60 grms
Fur trim.

TENSION:
Stockinet — 26 sts and 38 rows to 10 cms (Using 2 ends of yarn throughout). TD at approx. 10 (MT).

PATTERN NOTE:
Stockinet — use 2 ends of yarn.



TO KNIT:
Push 140 Ns to WP. Using waste yarn, cast on. Push Ns to HP. Using col 1, cast on by hand. Push Ns to UWP. RC 000. MT. Knit 53 rows. Cast off with waste yarn. Push 125 Ns to WP. With wrong side facing, pick up sts from below waste yarn and place onto Ns gathering evenly. RC 000. Using col 1, knit 10 rows. Cast off with waste yarn. Push 110 Ns to WP. With wrong side facing, pick up sts from below waste yarn and place onto Ns gathering evenly. RC 000. Using col 1, knit 9 rows. Cast off with waste yarn. Push 94 Ns to WP. With wrong side facing, pick up sts from below waste yarn and place onto Ns gathering evenly. RC 000. Using col 1, knit 10 rows. Cast off with waste yarn. Push 78 Ns to WP. With wrong side facing, pick up sts from below waste yarn and place onto Ns gathering evenly. RC 000. Using col 1, knit 9 rows. Cast off with waste yarn. Push 63 Ns to WP. With wrong side facing, pick up sts from below waste yarn and place onto Ns gathering evenly. RC 000. Using col 1, knit 10 rows. Cast off with waste yarn. Push 47 Ns to WP. With wrong side facing, pick up sts from below waste yarn and place onto Ns gathering evenly. RC 000. Using col 1, knit 9 rows. Transfer ev alt st to adjacent N. Knit 1 row. Break yarn leaving a long end. Thread end through all sts and release from machine.

TO MAKE UP:
Pin out and steam carefully. Pull up yarn to gather top of hat and join seam. Trim edge of hat with fur.

Patterns 4, 5 & 6

POLO NECK SWEATER

Probably one of the most useful winter sweaters to own. This plain sweater can be worn with any garment. Team it with our short skirt for a simple stylish outfit, or our leggings and lace shawl for a trendy look.

For Standard Gauge Machines with Ribbing Attachment.

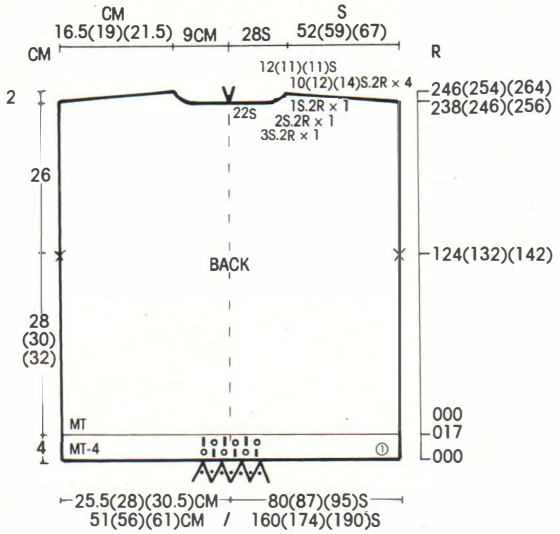
SIZES:
To fit 81-86(91-96)(101-106) cms/32-34(36-38)(40-42) inch bust.

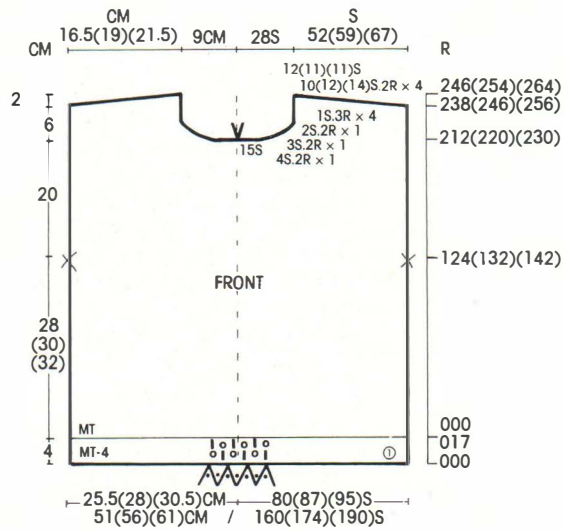
APPROXIMATE YARN TYPES AND AMOUNTS:
4ply
Col 1 (Black) — 310(360)(410) grms.

TENSIONS:
Stockinet — 31 sts and 44 rows to 10 cms. TD at approx. 5 (MT)
1 × 1 Rib — 43 rows to 10 cms. TD's at approx. MT-4.

PATTERN NOTE:
Stockinet.

MIX 'N' Collection MATCH





BACK:
Push 80(87)(95) Ns at left and right of centre 0 to WP. 160(174)(190) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-4, knit 17 rows. Transfer sts to knitter. RC 000. MT. Knit 124(132)(142) rows. Mark both ends with waste yarn. Knit to Row 238(246)(256).
Shape Back Neck & Shoulder
Shape as shown on diagram to Row 246(254)(264). Cast off rem 12(11)(11) sts. Knit left part as for right part.

FRONT:
Knit as for Back to Row 212(220)(230).
Shape Back Neck
Shape as shown on diagram. Knit to Row 238(246)(256).
Shape Shoulder
Shape as shown on diagram to Row 246(254)(264). Cast off rem 12(11)(11) sts. Knit left part as for right part.

Continued on page 47

Pattern 5 on page 37.
Pattern 6 on page 53.

Pattern 7

SWING JACKET

This fashion shape is so easy to knit. Swing tops are very flattering worn with slimming bottoms. Our long skirt knitted in the same mauve colour makes a super suit to wear for any occasion.

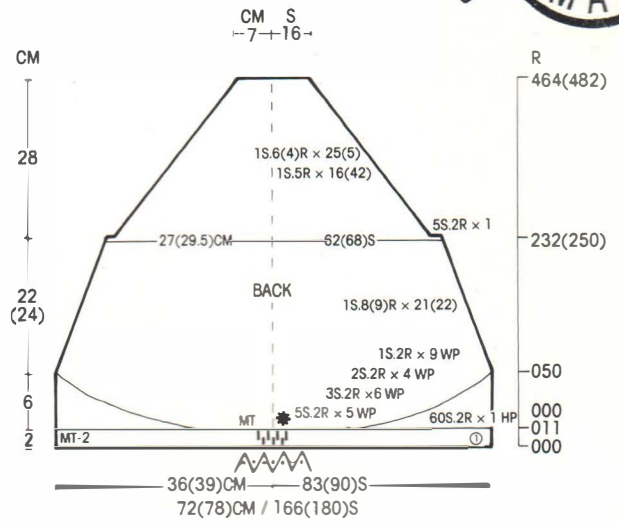
For Standard Gauge Punchcard Machines with Ribbing Attachment.

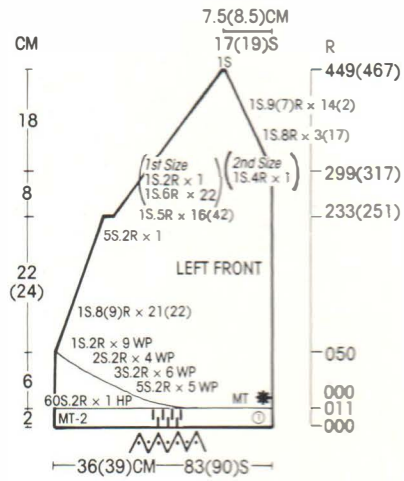
SIZES:
To fit 86-91(96-101) cms/34-36(38-40) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
4ply
Col 1 (Bluebell) — 450(525) grms
5 buttons.

TENSIONS:
Tuck Stitch — 23 sts and 83 rows to 10 cms. TD at approx. 5 (MT)
Double Rib — 50 rows to 10 cms. TD's at approx. MT-2.

PATTERN NOTE:
Tuck Stitch — see chart from Pattern 5.





BACK:
Push 83(90) Ns at left and right of centre 0 to WP. 166(180) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for double rib. Using col 1, cast on. RC 000. MT-2, knit 11 rows. Transfer sts to knitter, RC 000. MT. Continue in tuck stitch pattern. Set carr for partial knitting. Push Ns shown on diagram to HP on the next 2 rows. Push Ns shown on diagram from HP to UWP to Row 50. All Ns back in WP. Shape as shown on diagram. 124(136) sts. Knit to Row 232(250).
Shape Raglan Armholes
Shape as shown on diagram to Row 464(482). Cast off rem 32 sts.

LEFT FRONT:
Push 83(90) Ns at left of centre 0 to WP. Push corresponding Ns on ribber to WP. Arrange Ns for double rib. Using col 1, cast on. RC 000. MT-2, knit 11 rows. Transfer sts to knitter. RC 000. Continue in tuck stitch pattern. Set carr for partial knitting. Push Ns shown on diagram to HP. Push Ns shown on diagram from HP to UWP to Row 50. All Ns back in WP. Shape as shown on diagram. 62(68) sts. Knit to Row 233(251).
Shape Raglan Armhole
Shape as shown on diagram to Row 299(317).
Shape Neck
Shape as shown on diagram to Row 449(467). Fasten off rem st.

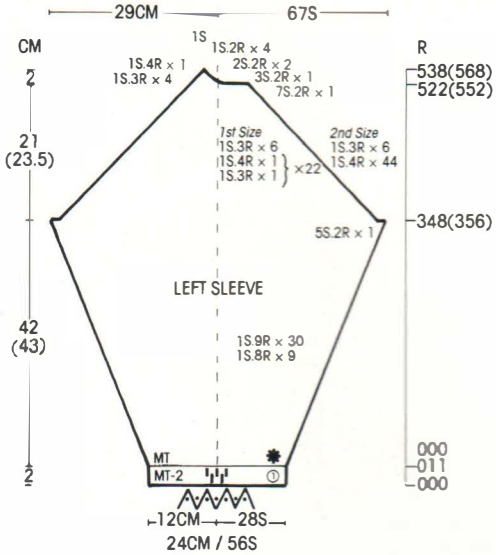
RIGHT FRONT:
Knit as for Left Front but in reverse.

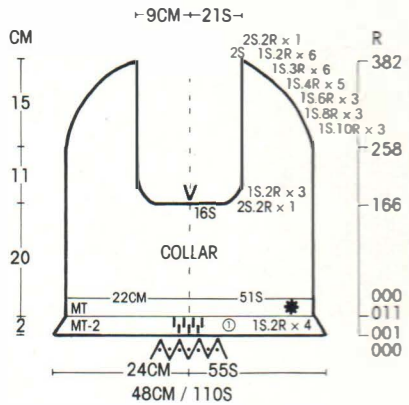
Continued on page 28

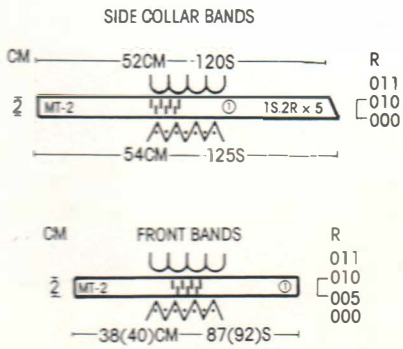
Pattern 8 on page 29.

Patterns 7 & 8

Pattern 7 *continued*







LEFT SLEEVE:
Push 28 Ns at left and right of centre O to WP. 56 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for double rib. Using col 1, cast on. RC 000. MT-2, knit 11 rows.
Transfer sts to knitter. RC 000. MT. Continue in tuck stitch pattern and shape as shown on diagram. 134 sts. Knit to Row 348(356).
Shape Raglan Top
Shape as shown on diagram to Row 522(552). 24 sts. Shape as shown on diagram to Row 538(568). Fasten off rem st.

RIGHT SLEEVE:
Knit as for Left Sleeve but in reverse.

COLLAR:
Push 55 Ns at left and right of centre O to WP. 110 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for double rib. Using col 1, cast on. RC 000. MT-2, knit 1 row. Shape as shown on diagram. 102 sts. Knit to Row 11. Transfer sts to knitter. RC 000. MT. Continue in tuck stitch pattern, knit 166 rows.
Shape Neck
Note pos in pattern. Shape as shown on diagram. Knit to Row 258. Shape as shown on diagram to Row 382. Cast off rem 2 sts. Keeping pattern correct, knit left part as for right part.

SIDE COLLAR BANDS:
Arrange 125 Ns for double rib. Using col 1, cast on. RC 000. MT-2, shape as shown on diagram to Row 10. 120 sts. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn. Knit another band but in reverse.

BUTTONHOLE BAND:
Arrange 87(92) Ns for double rib. Using col 1, cast on. RC 000. MT-2, knit 5 rows. Make 5 evenly spaced buttonholes over 3 Ns, knit 5 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn.

BUTTON BAND:
Knit as for Buttonhole Band but omit buttonholes.

TO MAKE UP:
Pin out to size and steam carefully. Join raglan, side and sleeve seams. Backstitch side collar bands into pos. With right side of collar and wrong side of jacket facing, sew collar into pos. Fold to the outside. Sew front bands into pos. Join band seams. Finish buttonholes and sew on buttons to correspond. Give final light steam.

LONGLINE STRAIGHT SKIRT

A super addition to the basic wardrobe range, a long skirt to co-ordinate with any of the sweaters or the swing jacket in this issue. This skirt is shaped and fastened with a zip for more tailored knitted look.

For Standard Gauge Punchcard Machines with Ribbing Attachment.

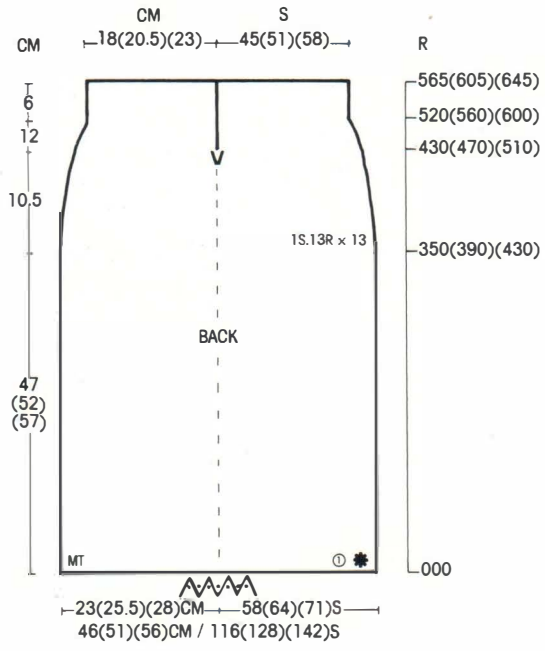
SIZES:
To fit 86-91(96-101)(106-112) cms / 34-36(38-40)(42-44) inch hip.

APPROXIMATE YARN TYPES AND AMOUNTS:
4ply
Col 1 (Bluebell) — 270(320)(370) grms.
7 inch zip fastener.

TENSION:
Tuck Stitch — 25 sts and 75 rows to 10 cms. TD at approx. 5 (MT).

PATTERN NOTE:
Tuck Stitch — see chart from Pattern 5.

MIX 'N' MATCH Collection



BACK:
Push 58(64)(71) Ns at left and right of centre 0 to WP. 116(128)(142) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 x 1 rib. Using col 1, cast on and knit 3 circular rows. Transfer sts to knitter. RC 000. MT. Continue in tuck stitch pattern, knit 350(390)(430) rows. Shape as shown on diagram to Row 430(470)(510).
Divide for Back Opening
Note pos in pattern. Continue to shape right edge as shown on diagram. 45(51)(58) sts. Knit to Row 565(605)(645). Cast off. Keeping pattern correct, knit left part as for right part.

FRONT:
Knit as for Back but omit back opening.

TO MAKE UP:
Pin out to size and steam carefully. Join side seams. Work 2 rows of double crochet along back opening. Sew in zip fastener. Give final light steam.

Pattern 9

Bright colours are always fun to have in your wardrobe and this long jade sweater is no exception. We have knitted it in tuck stitch to give a chunky-type sweater from a standard gauge machine. Co-ordinate with the leggings or any other basic separates in this issue.

This classic cardigan makes a useful and easy to wear garment which can be worn with any of the other basic wardrobe garments featured in this issue. Team it with the leggings and polo sweater for a more casual look, or worn over the skirt for a more warm smart look. Knitted in vibrant blue this cardigan makes a fashionable garment you can't be without.

Pattern 9

LADY'S SWEATER WITH COLLAR

For S andard Gauge Punchcard Machines with Ribbing Attachment.

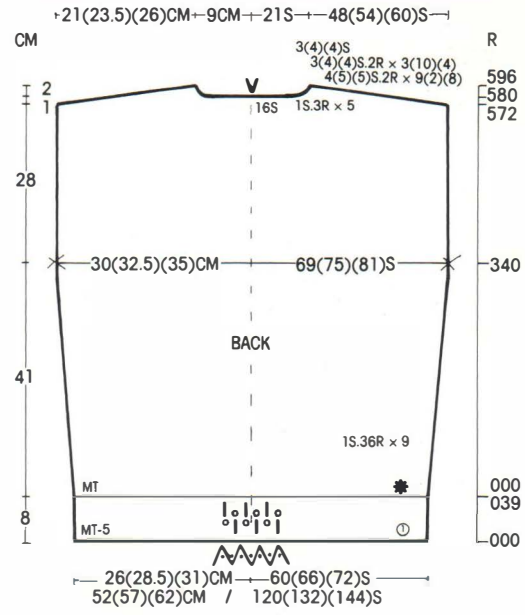
SIZES:
To fit 86-91(96-101)(106-112) cms/ 34-36(38-40)(42-44) inch bust.

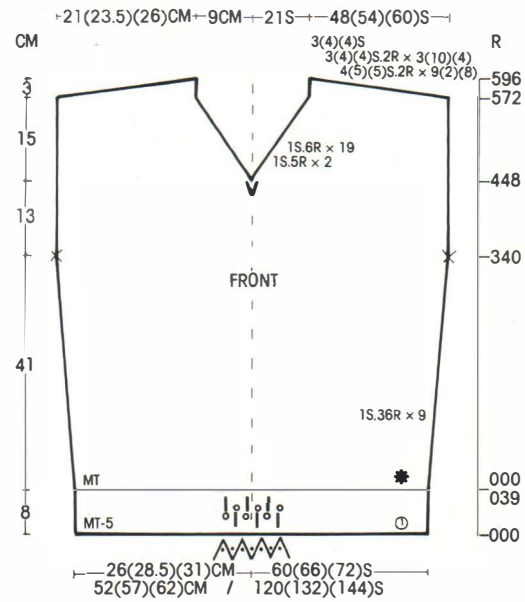
APPROXIMATE YARN TYPES AND AMOUNTS:
4ply
Col 1 (Serpentine) — 500(550)(600) grms.

TENSIONS:
Tuck Stitch — 23 sts and 83 rows to 10 cms. TD at approx. 5 (MT)
1 × 1 Rib — 48 rows to 10 cms. TD's at approx. MT-5
Double Rib — 47 rows to 10 cms. TD's at approx. MT-2

PATTERN NOTE:
Tuck Stitch — see chart from Pattern 5.

MIX 'N' Collection MATCH





BACK:
Push 60(66)(72) Ns at left and right of centre 0 to WP. 120(132)(144) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5 knit 39 rows. Transfer sts to knitter. RC 000. MT. Continue in tuck stitch pattern and shape as shown on diagram.
138(150)(162) sts. Knit to Row 340. Mark both ends with waste yarn. Knit to Row 572.
Shape Shoulders
Shape as shown on diagram to Row 580.
Shape Back Neck
Note pos in pattern. Shape as shown on diagram to Row 596. Cast off rem 3(4)(4) sts. Keeping pattern correct, knit left part as for right part.

FRONT:
Knit as for Back to Row 448.
Shape Neck
Note pos in pattern. Shape as shown on diagram to Row 572.
Shape Shoulder
Shape as shown on diagram to Row 596. Cast off rem 3(4)(4) sts. Keeping pattern correct, knit left part as for right part.

SLEEVES:
Push 32 Ns at left and right of centre 0 to WP. 64 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 29 rows. Transfer sts to knitter. RC 000. MT. Continue in tuck stitch pattern and shape as shown on diagram. 130 sts. Knit to Row 298.

Continued on page 36

LONG LINE BLUE CARDIGAN

For Standard Gauge Punchcard Machines with Ribbing Attachment.

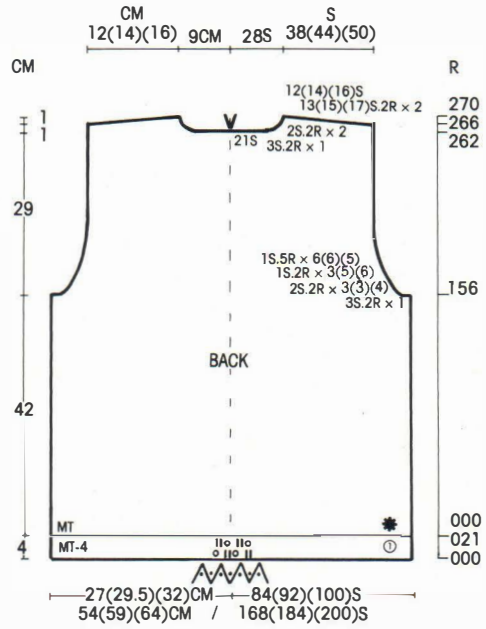
SIZES:
To fit 81-86(91-96)(101-106) cms/32-34(36-38)(40-42) inch bust.

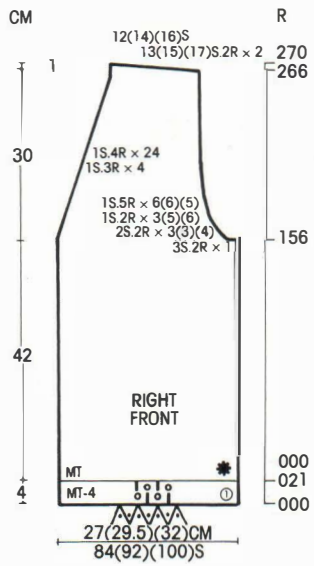
APPROXIMATE YARN TYPES AND AMOUNTS:
4ply
Col 1 (Capri) — 410(460)(510) grms
12 buttons.

TENSIONS:
Self Coloured Fair Isle — 31 sts and 37 rows to 10 cms. TD at approx. 6 (MT)
2 × 1 Rib — 54 rows to 10 cms. TD's at approx. MT-4
Double Rib — 38 rows to 10 cms (knit tension square over 14 sts). TD's at approx MT-3.

PATTERN NOTE:
Self Coloured Fair Isle — see chart from Pattern 5. Col 1 in feeder 1 and feeder 2.

MIX 'N' MATCH Collection





BACK:
Push 84(92)(100) Ns at left and right of centre 0 to WP. 168(184)(200) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 2 × 1 rib. Using col 1, cast on. RC 000. MT-4, knit 21 rows. Transfer sts to knitter. RC 000. MT.
Continue in pattern, knit 156 rows.
Shape Armholes
Shape as shown on diagram. 132(144)(156) sts. Knit to Row 262.
Shape Back Neck
Note pos in pattern. Shape as shown on diagram to Row 266.
Shape Shoulder
Shape as shown on diagram to Row 270. Cast off rem 12(14)(16) sts. Keeping pattern correct, knit left part as for right part.

RIGHT FRONT:
Push 84(92)(100) Ns at right of centre 0 to WP. Push corresponding Ns on ribber to WP. Arrange Ns for 2 × 1 rib. Using col 1, cast on. RC 000. MT-4, knit 21 rows. Transfer sts to knitter. RC 000. MT.
Continue in pattern, knit 156 rows.
Shape Armhole and Front Edge
Shape as shown on diagram to Row 266.
Shape Shoulder
Shape as shown on diagram to Row 270. Cast off rem 12(14)(16) sts.

LEFT FRONT:
Knit as for Right Front but in reverse.

SLEEVES:
Push 40 Ns at left and right of centre 0 to WP. 80 Ns altog. Push corresponding Ns

Continued on page 36

Pattern 11

BABY'S RIB SWEATER

This cute babies sweater in traditional aran colour uses pick rib for its design texture, which produces a thicker therefore cosier sweater.

If you have any problems locating Patons 100% Wool 4ply, please write to the address below for local stockist information. Please quote this issue of Modern Machine Knitting.

Patons & Baldwins,
P.O. Box Darlington,
Co. Durham,
DL2 2YQ.

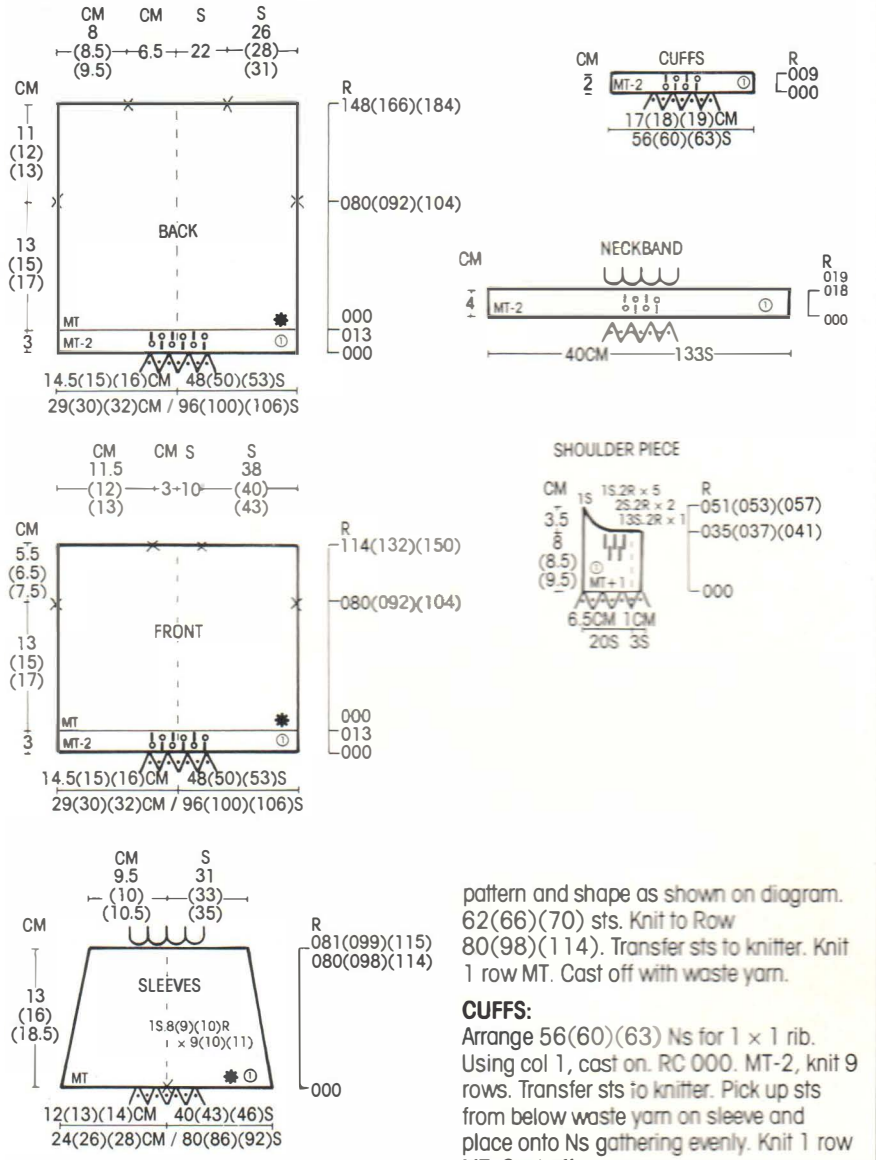
For Standard Gauge Machines with Ribbing Attachment.

SIZES:
To fit 6(12)(18) months

APPROXIMATE YARN TYPES AND AMOUNTS:
Patons 100% wool 4ply
Col 1 (Aran) — 4(5)(6) x 50 grm balls

TENSIONS:
Pick Rib — 33 sts and 61 rows to 10 cms. TD's at approx. 4 (MT)
Double Rib — 31 sts and 43 rows to 10 cms. TD's at approx. MT+1
1 x 1 Rib — 44 rows to 10 cms. TD's at approx. MT-2

PATTERN NOTE:
Pick Rib.
Needle arrangement 1 x 1 rib. Set machine to knit on knitter and ribber for 2 rows, then to knit on the knitter and tuck on the ribber for 2 rows. Rept throughout.



BACK:
Push 48(50)(53) Ns at left and right of centre to WP. 96(100)(106)Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 x 1 rib. Using col 1, cast on. RC 000. MT-2, knit 13 rows. RC 000. MT. Continue in Pick Rib pattern, knit 80(92)(104) rows. Mark both ends with waste yarn. Knit to row 148(166)(184). Mark the 22nd st at left and right of centre O with waste yarn. Cast off.

FRONT:
Knit as for Back to Row 114(132)(150). Mark the 10th st at left and right of centre O with waste yarn. Cast off.

SLEEVES:
Push 40(43)(46) Ns at left and right of centre O to WP. 80(86)(92) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 x 1 rib. Using col 1, cast on. RC 000. MT. Continue in Pick Rib pattern and shape as shown on diagram. 62(66)(70) sts. Knit to Row 80(98)(114). Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn.

CUFFS:
Arrange 56(60)(63) Ns for 1 x 1 rib. Using col 1, cast on. RC 000. MT-2, knit 9 rows. Transfer sts to knitter. Pick up sts from below waste yarn on sleeve and place onto Ns gathering evenly. Knit 1 row MT. Cast off.

SHOULDER PANELS (knit 1 in reverse):
Push 20 Ns at left and 3 Ns at right of centre O to WP. 23 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for double rib. Using col 1, cast on. RC 000. MT+1. Knit 35(37)(41) rows. Shape as shown on diagram to Row 51(53)(57). Fasten off rem st.

NECKBAND:
Arrange 133 Ns for 1 x 1 rib. Using col 1, cast on. RC 000. MT-2, knit 18 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn.

TO MAKE UP:
Pin out to size and steam carefully. Sew shoulder panels to back and front. Set in sleeves matching marked point on top of sleeve to marked point on shoulder panel. Join side and sleeve seams. Backstitch neckband into pos. Fold in half and catch down on the inside. Give final light steam.

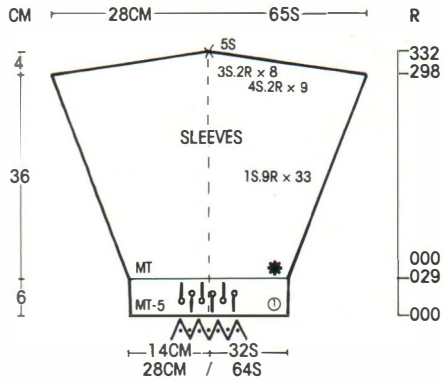
Pattern 11

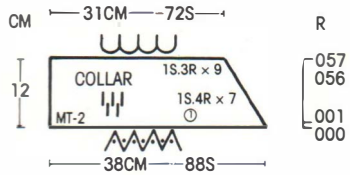
Pattern 9 *continued*

Shape Top
Shape as shown on diagram to Row 332. Mark centre with waste yarn. Cast off rem 10 sts.

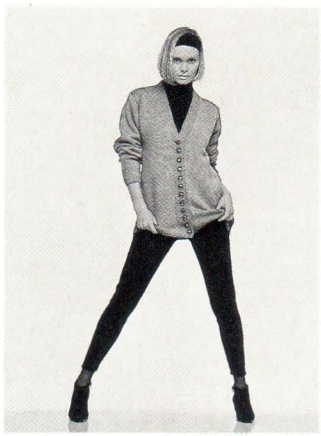
COLLAR:
Arrange 88 Ns for double rib. Using col 1, cast on and knit circular rows in reverse. RC 000. MT-2. Knit 1 row. Using a 3 ended transfer tool, shape as shown on diagram to Row 56. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn. Knit another piece in reverse.

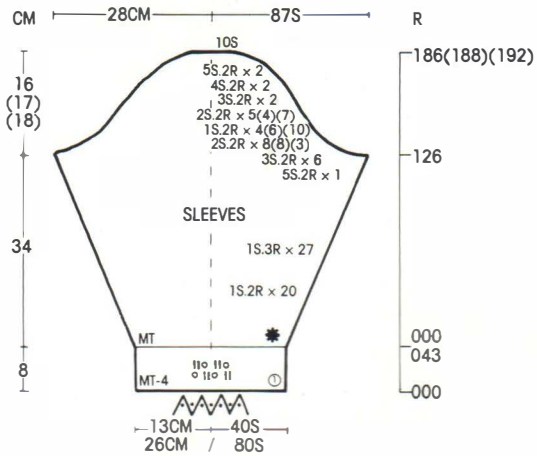
TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves between marked points. Join side and sleeve seams. Sew collar pieces into pos and join centre back neck seam.
Give final light steam.

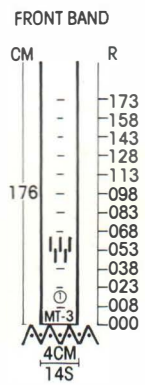




Pattern 10 *continued*







on ribber to WP. Arrange Ns for 2 x 1 rib. Using col 1, cast on. RC 000. MT-4, knit 43 rows. Transfer sts to knitter. RC 000. MT. Continue in pattern and shape as shown on diagram. 174 sts. Knit to Row 126.
Shape Top
Shape as shown on diagram to Row 186(188)(192). Cast off rem 20 sts.

FRONT BAND:
Arrange 14 Ns for double rib. Using col 1, cast on. RC 000. MT-3, knit to Row 173 making buttonholes over centre 4 Ns on rows shown on diagram. Continue to knit until band measures approximately 176 cms. Cast off.

TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves. Join side and sleeve seams. Sew front band into pos. Finish buttonholes and sew on buttons to correspond. Give final light steam.

SHORT BLACK SKIRT

This fashionable basic short skirt co-ordinates with any of the sweaters in this issue. This skirt is shaped and fastened with a zip for a more tailored fashion look.

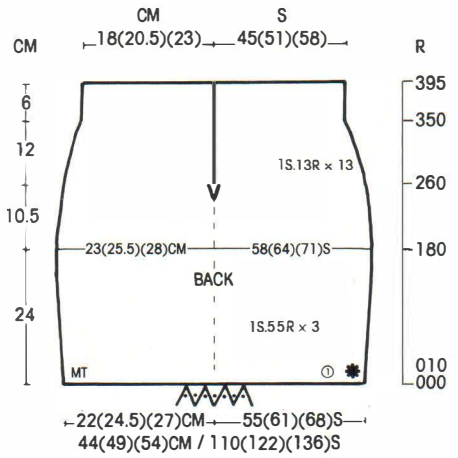
For Standard Gauge Punchcard Machines with Ribbing Attachment.

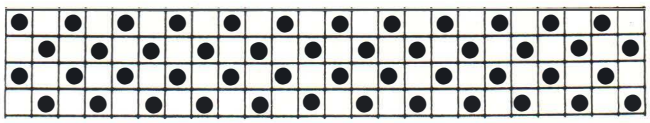
SIZES:
To fit 86-91(96-101)(106-112) cms / 34-36(38-40)(42-44) inch hip.

APPROXIMATE YARN TYPES AND AMOUNTS:
4ply
Col 1 (Black) — 170(210)(250) grms.
7 inch zip fastener.

TENSION:
Tuck Stitch — 25 sts and 75 rows to 10 cms. TD at approx. 5 (MT).

PATTERN NOTE:
Tuck Stitch — see chart.





BACK:
Push 55(61)(68) Ns at left and right of centre O to WP. 110(122)(136) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and knit 3 circular rows. Transfer sts to knitter. RC 000. MT. Continue in tuck stitch pattern, knit 10 rows. Shape as shown on diagram. 116(128)(142) sts. Knit to Row 180. (Adjust length at this stage if desired). Shape as shown on diagram to Row 260.
Divide for Back Opening
Note pos in pattern. Continue to shape right edge as shown on diagram. 45(51)(58) sts. Knit to Row 395. Cast off. Keeping pattern correct, knit left part as for right part.

FRONT:
Knit as for Back but omit back opening.

TO MAKE UP:
Pin out to size and steam carefully. Join side seams. Work 2 rows of double crochet along back opening. Sew in zip fastener. Give final light steam.

Pattern 12

FAIR ISLE SWEATER

This unusual Fair Isle design is knitted in shades of green and pink and would look great worn casually with jeans or teamed with traditional tweeds for a more classic look.

If you have any problems locating King Cole Anti-Tickle Superwash 4ply, please write to the address below for local stockist information. Please quote this issue of Modern Machine Knitting.

King Cole Ltd,
Merrie Mills, Old Souls Way,
Bingley, W. Yorks,
BD16 2AX.

For tandard Gauge Punchcard Machines with Ribbing Attachment.

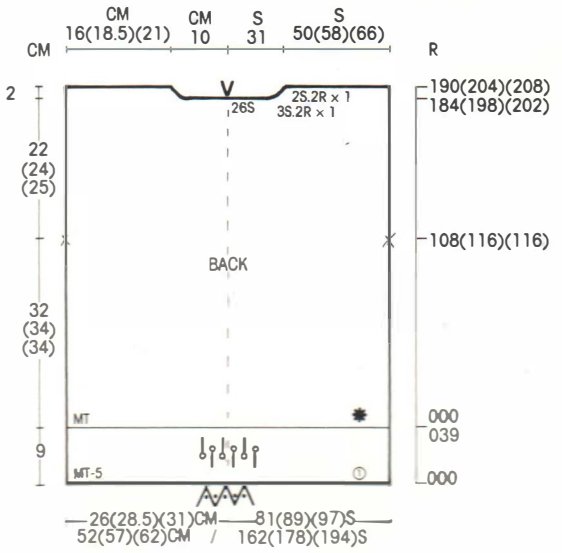
SIZES:
To fit 86-91(96-101)(106-112) cms/ 34-36(38-40)(42-44) inch bust/chest

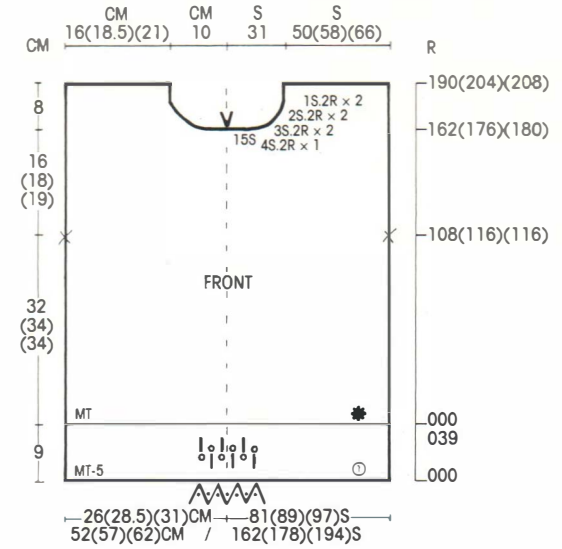
APPROXIMATE YARN TYPES AND AMOUNTS:
King Cole Anti-Tickle Superwash 4ply
Col 1 (Bottle) — 1 × 500 grm cone
Col 2 (Heather) — 3(4)(4) × 50g balls
Col 3 (Wild Rose) — 2 × 50g balls
Col 4 (Linden) — 2(3)(3) × 50g balls

TENSIONS:
Fair Isle 31 sts and 34 rows to 10 cms. TD at approx. 8 (MT)

PATTERN NOTE:
Fair Isle — see chart
Back and Front
*Col 1 in feeder 1, Col 4 in feeder 2, knit 16 rows.
Col 1 in feeder 1, Col 2 in feeder 2, knit 16 rows.
Col 1 in feeder 1, Col 3 in feeder 2, knit 16 rows.
Col 1 in feeder 1, Col 2 in feeder 2, knit 16 rows.*
Rept from *to* throughout.

SLEEVES:
Col 1 in feeder 1, Col 2 in feeder 2, knit 16 rows.
*Col 1 in feeder 1, Col 4 in feeder 2, knit 16 rows.
Col 1 in feeder 1, Col 2 in feeder 2, knit 16 rows.
Col 1 in feeder 1, Col 3 in feeder 2, knit 16 rows.
Col 1 in feeder 1, Col 2 in feeder 2, knit 16 rows.*
Rept from *to* throughout.





BACK:
Push 81(89)(97) Ns at left and right of centre 0 to WP. 162(178)(194) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 39 rows. Transfer sts to knitter. RC 000. MT. Continue in pattern, knit 108(116)(116) rows. Mark both ends with waste yarn. Knit to Row 184(198)(202).
Shape Back Neck
Note pos in pattern. Shape as shown on diagram to Row 190(204)(208). Cast off rem 50(58)(66) sts. Keeping pattern correct, knit left part as for right part.

FRONT:
Knit as for Back to Row 162(176)(180).
Shape Neck
Note pos in pattern. Shape as shown on diagram. Knit to Row 190(204)(208). Cast off rem 50(58)(66) sts. Keeping pattern correct, knit left part as for right part.

SLEEVES:
Push 40 Ns at left and right of centre 0 to WP. 80 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 33 rows. Transfer sts to knitter. RC 000. MT. Continue in pattern and shape as shown on diagram. 150(162)(168) sts. RC 142(150)(160). Mark centre with waste yarn. Cast off.

Continued on page 42

Pattern 12

Pattern 13

CHENILLE JACKET

Chenille designs are very fashionable at the moment. This stylish chunky cardigan has been knitted using a gold Chenille and a 100% wool in black, creating this super horse design. If you are not lucky enough to own an electronic or punchcard chunky, knit it plain or swiss darn the design afterwards.

If you have any problems locating Pamela Wise Chenille and DK Wool, please write to the address below for local stockist information. Please quote this issue of Modern Machine Knitting.

Pamela Wise (Dept MMK 1),
101-105 Goswell Road,
London
EC1V 7ER.

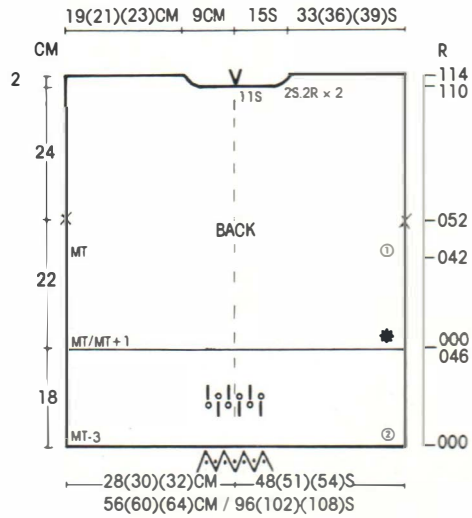
For 9mm Chunky Electronic or 24 Stitch Punchcard Chunky Machines with Ribbing Attachment.

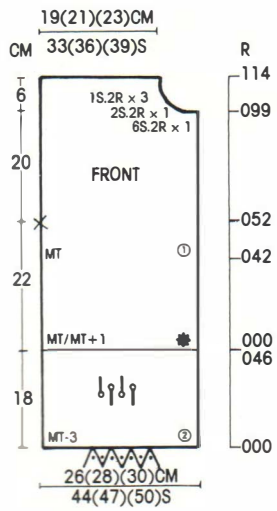
SIZES:
To fit 81-86(91)(96) cms/32-34(36)(38) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Col 1 (Mustard shade 53) — 1 x 500 grm cone (Pamela Wise DK Chenille)
Col 2 (Black shade 800) — 1 x 500 grm cone (Pamela Wise DK Wool)
6 buttons.

TENSIONS:
Stockinet Col 1 — 17 sts and 24 rows to 10 cms. TD at approx. 3 (MT).

PATTERN NOTE:
See charts A and B.
MT. Using col 1, knit 4 rows.
MT+1. Using col 2, knit 2 rows. Continue in Pattern A. Col 1 in feeder 1, col 2 in feeder 2, knit 2 rows. Continue in stockinet. Using col 2, knit 2 rows.
MT. Using col 1, knit 2 rows.
MT+1. Continue in Pattern B. Point cams edge of knitting.
Needle 1 cam centre O. Col 1 in feeder 1, Col 2 in feeder 2, knit 25 rows.
MT. Continue in stockinet. Using col 1, knit 3 rows.
MT+1. Using col 2, knit 2 rows.



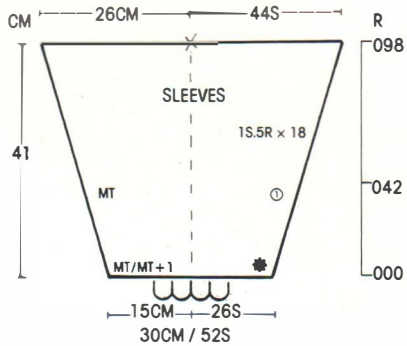


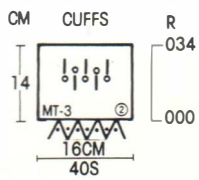
BACK:
Push 48(51)(54) Ns at left and right of centre O to WP. 96(102)(108) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 x 1 rib. Using col 2, cast on. RC 000. MT-3, knit 46 rows. Transfer sts to knitter, RC 000. Continue in pattern given in pattern note, knit 42 rows. MT. Using col 1. Knit to Row 52. Mark both ends with waste yarn. Knit to Row 110. Shape Back Neck.
Shape as shown on diagram to Row 114. Cast off rem 33(36)(39) sts. Knit right part as for left part.

LEFT FRONT:
Push 44(47)(50) Ns at left of centre O to WP. Push corresponding Ns on ribber to WP. Arrange Ns for 1 x 1 rib. Using col 2 cast on. RC 000. MT-3, knit 46 rows. Transfer sts to knitter. RC 000. Continue in pattern given in pattern note, knit 42 rows. MT. Using col 1. Knit ot Row 52. Mark left edge with waste yarn. Knit to Row 99.
Shape Neck
Shape as shown on diagram. Knit to Row 114. Cast off rem 33(36)(39) sts.

RIGHT FRONT:
Knit as for Left Front but in reverse.

SLEEVES:
Push 26 Ns at left and right of centre O to WP. 52 Ns altog. Using waste yarn cast on. RC 000. Knit 42 rows pattern as given in pattern note then continue in MT Col 1, AT THE SAME TIME shape as shown on diagram. Knit to Row 98. 88 sts. Mark centre with waste yarn. Cast off.





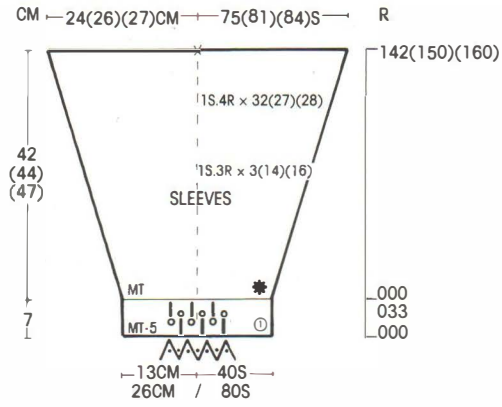
CUFFS:
Arrange 40 Ns for 1 x 1 rib. Using col 2, cast on. RC 000. MT-3, knit 34 rows. Transfer sts to knitter. Pick up lower edge of sleeve and place onto Ns gathering evenly. MT+2, knit 1 row. Cast off.

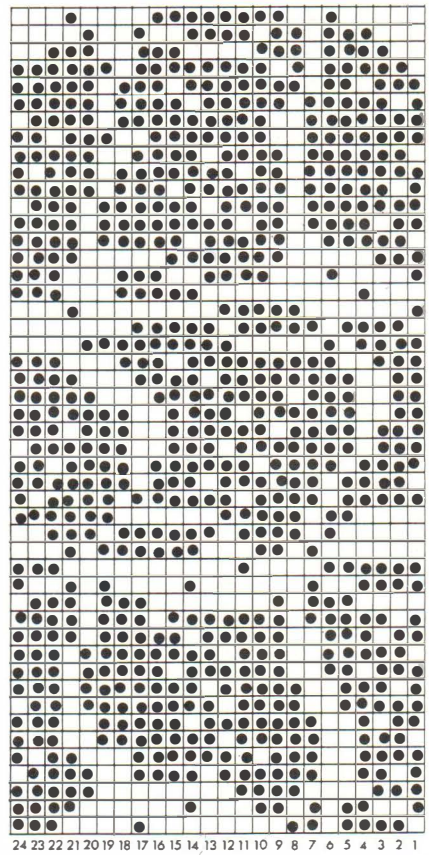
TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves between marked points. Join side and sleeve seams. Fold welt and cuffs in half and catch down on the inside. With col 2 and 3.50mm crochet hook work one row of dbl cr. along fronts and back neck, working one dbl cr. into alt row ends along fronts and into each st along back, plus 4 dbl cr. each side of centre back neck. *Next row: turn, 3 ch. work one trbl into each dbl cr. of the previous row, dec by 3 trbls along back neck*. Rept from *to* twice more.
Carefully press band. Sew on buttons at equal intervals.

Continued on page 42

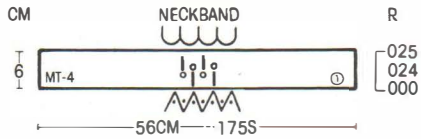
Pattern 13

Pattern 12 *continued*



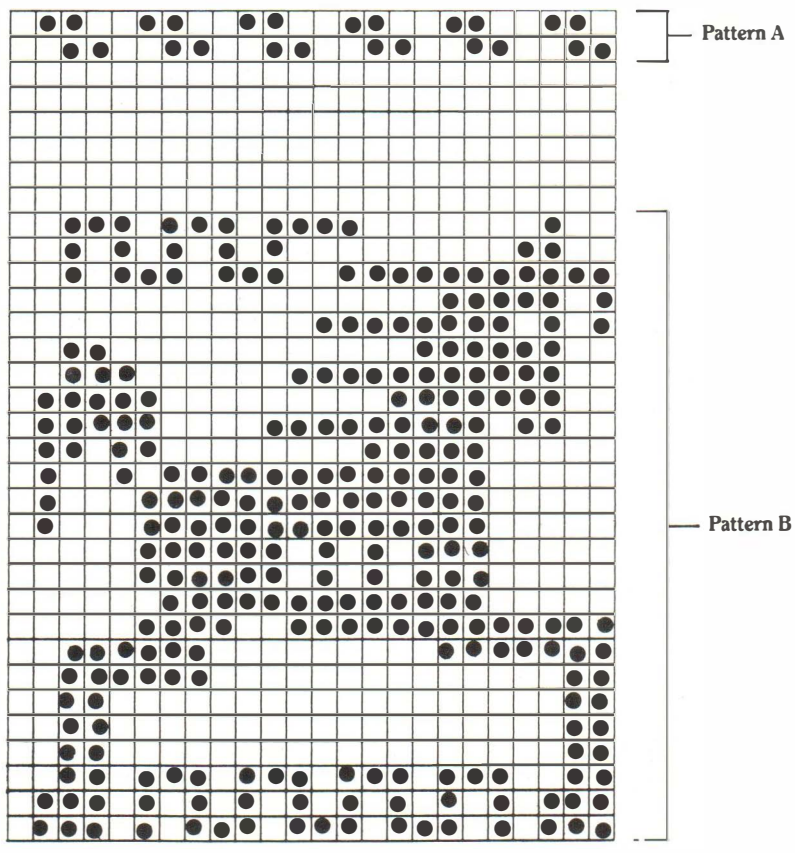


NECKBAND:
Arrange 175 Ns for 1 x 1 rib. Using col 1, cast on. RC 000. MT-4, knit 24 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn.



TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves between marked points. Join side and sleeve seams. Backstitch neckband into pos and join centre back neck seam. Fold in half and catch down on the inside. Give final light steam.

Pattern 13 *continued*



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Pattern 14

CARDIGAN AND SKIRT

This simple yet effective outfit uses one of the classic lace designs to create a stylish suit for any occasion. The skirt has been knitted using a needle arrangement on both beds which produces a lovely fabric weight to wear. We have converted Patons handknitting leaflet no. 4373 for you to knit on your standard gauge machines.

If you have any problems locating Patons Soft Blend 4ply please write to the address below for local stockist information. Please quote this issue of Modern Machine Knitting.

Patons & Baldwins Ltd,
P.O. Box Darlington,
Co. Durham,
DL2 2YQ.

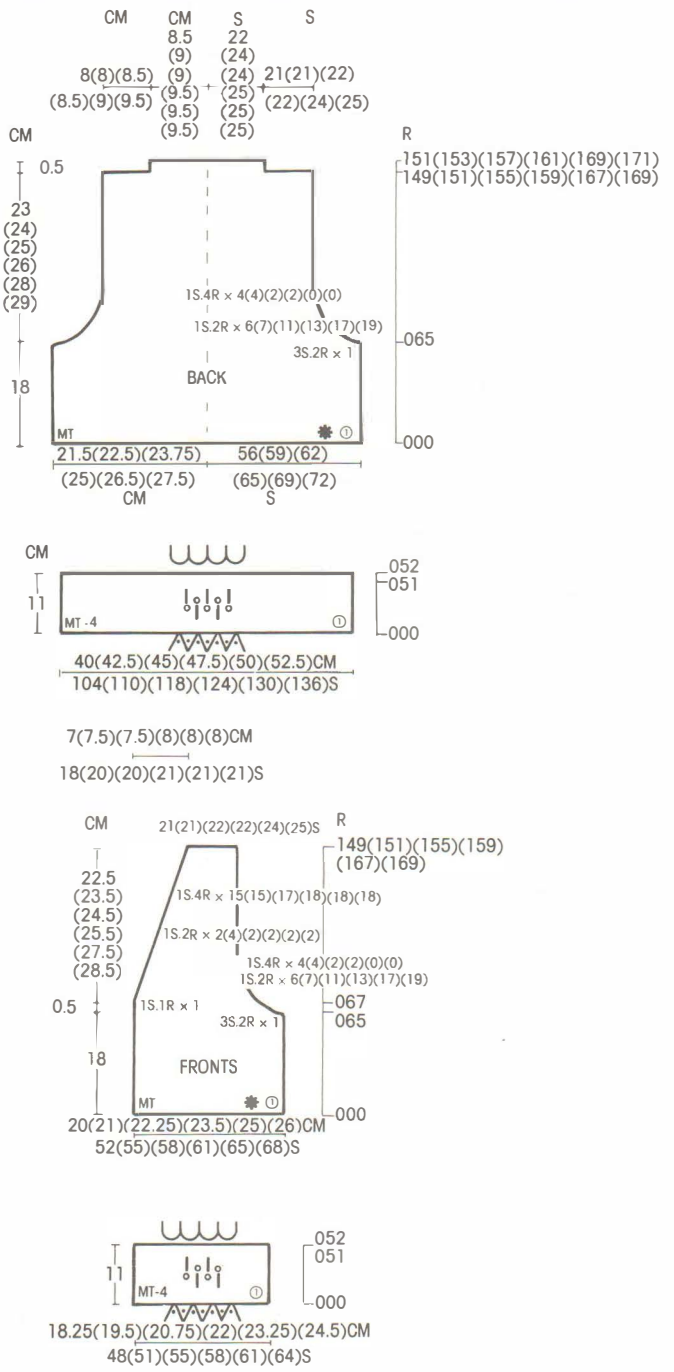
For Standard Gauge Punchcard & Electronic Machines with Lace Carriage and Ribbing Attachment.

SIZES:
To fit 81(86)(91)(96)(101)(106) cms/ 32(34)(36)(38)(40)(42) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Patons Beehive Soft Blend 4ply
Cardigan
Col 1 (Shade 4995) — 5(6)(6)(6)(7)(7) x 50 grms balls.
5 buttons.
Skirt
Col 1 (Shade 4995) — 6(7)(7)(8)(8)(8) x 50 grms balls
Elastic to fit waist.

TENSIONS:
Lace Pattern — 26 sts and 36 rows to 10 cms. TD at approx. 7 (MT)
1 x 1 Rib — 47 rows to 10 cms. TD's at approx. MT-4
Rib Pattern — 34 sts and 46 rows to 10 cms. TD's at approx. MT-2 on knitter and MT-4 on ribber.

PATTERN NOTE:
Lace Pattern — see chart.

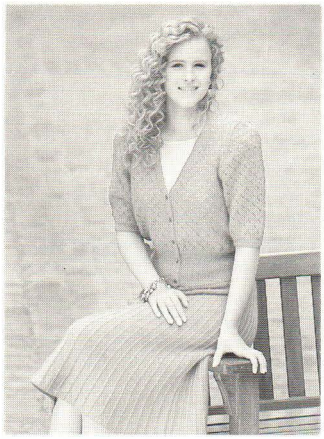


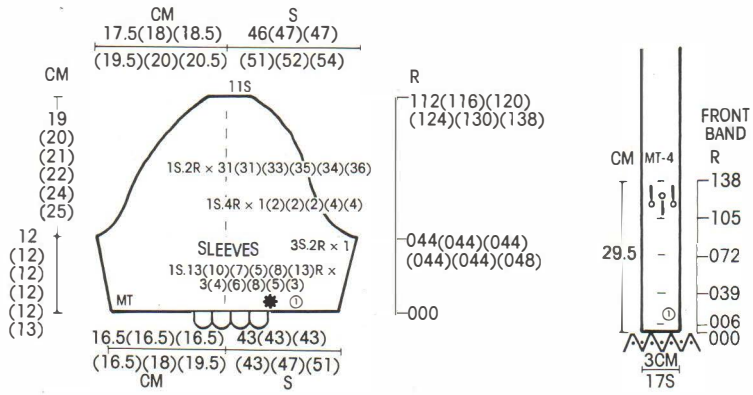
CARDIGAN
BACK:
Arrange 104(110)(118)(124)(130)(136) Ns for 1 x 1 rib. Using col 1, cast on. RC 000. MT-4, knit 51 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn. Push 56(59)(62)(65)(69)(72) Ns at left and right of centre 0 to WP. 112(118)(124)(130)(138)(144) Ns altog. Carr at left. Pick up sts from below waste yarn and place onto Ns increasing evenly. RC 000. MT. Using col 1, knit 1 row. Continue in Lace Pattern. Knit to Row 65.
Shape Armholes
Shape as shown on diagram. 86(90)(92)(94)(98)(100) sts. Knit to Row 149(151)(155)(159)(167)(169).
Shape Shoulders
Shape as shown on diagram to Row 151(153)(157)(161)(169)(171). Cast off rem 44(48)(48)(50)(50)(50) sts.

RIGHT FRONT:
Arrange 48(51)(55)(58)(61)(64) Ns for 1 x 1 rib. Using col 1, cast on. RC 000. MT-4, knit 51 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn. Push Ns 5 to 56(59)(62)

Continued overleaf

Pattern 14 *continued*





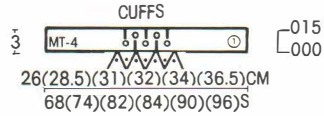
(65)(69)(72) inclusive at right of centre O to WP. 52(55)(58)(61)(65)(68) Ns altog. Carr at left. Pick up sts from below waste yarn and place onto Ns increasing evenly. RC 000. MT. Using col 1, knit 1 row. Continue in Lace Pattern.
Knit to Row 65.
Shape Armhole
Shape as shown on diagram to Row 67.
Shape Front Edge
Shape as shown on diagram to Row 149(151)(155)(159)(167)(169). Cast off rem 21(21)(22)(22)(24)(25) sts.

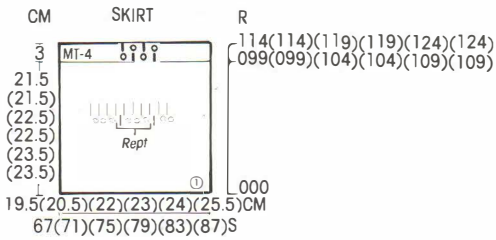
LEFT FRONT:
Knit as for Right Front but in reverse.

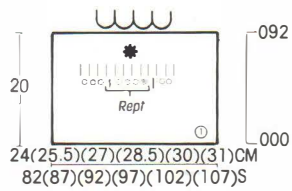
SLEEVES:
Push 43(43)(43)(43)(47)(51) Ns at left and right of centre O to WP. 86(86)(86)(86)(94)(102) Ns altog. Using waste yarn, cast on. RC 000. MT. Using col 1, continue in Lace Pattern and shape as shown on diagram. 92(94)(98)(102)(104)(108) sts. Knit to Row 44(44)(44)(44)(44)(48).
Shape Top
Shape as shown on diagram to Row 112(116)(120)(124)(130)(138). Cast off rem 22 sts.

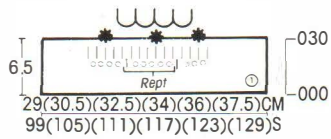
CUFFS:
Arrange 68(74)(82)(84)(90)(96) Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-4, knit 15 rows. Transfer sts to knitter. With wrong side of sleeve facing, pick up sts from below waste yarn and place onto Ns gathering evenly. Knit 1 row MT. Cast off.

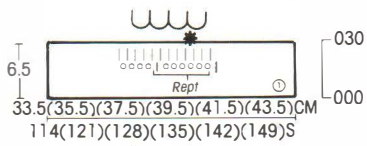
FRONT BAND:
Arrange 17 Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-4, knit to Row 138, making buttonholes over centre 3 Ns on rows shown on diagram. Knit until band is long enough to go along both front edges and along back neck. Cast off.

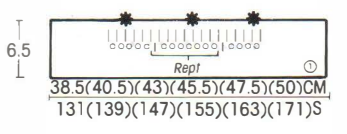


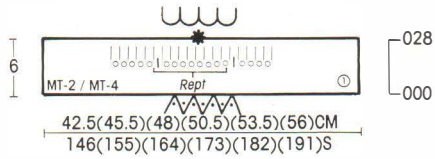












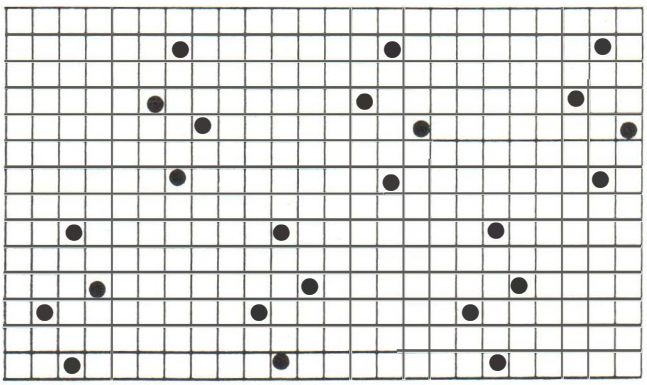
Pattern 14 *continued*

TO MAKE UP:
Press lightly under a dry cloth using a cool iron. Join shoulder, side and sleeve seams. Set in sleeves. Sew front band into pos. Finish buttonholes and sew on buttons to correspond.

SKIRT:
4 Panels Alike
Arrange 146(155)(164)(173)(182)(191) Ns for double rib. Using col 1, cast on and knit 3 circular rows. Transfer sts to needle arrangement shown on diagram. RC 000. MT-2 on knitter and MT-4 on ribber. Knit to Row 28. Transfer sts marked '*' onto adjacent N at left. Leave empty Ns in NWP. Cast off with waste yarn.
Push 131(139)(147)(155)(163)(171) Ns on knitter to WP. Arrange ribber Ns as shown on diagram. Pick up sts from below waste yarn and place onto Ns in WP. RC 000. Using col 1, knit to Row 30. Transfer sts marked '*' onto adjacent N at left. Leave empty Ns in NWP. Cast off with waste yarn.
Push 114(121)(128)(135)(142)(149) Ns on knitter to WP. Arrange ribber Ns as shown on diagram. Pick up sts from below waste yarn and place onto Ns in WP. RC 000. Using col 1, knit to Row 30. Transfer sts marked '*' onto adjacent N at left. Leave empty Ns in NWP. Cast off with waste yarn.
Push 99(105)(111)(117)(123)(129) Ns on knitter to WP. Arrange ribber Ns as shown on diagram. Pick up sts from below waste yarn and place onto Ns in WP. RC 000. Using col 1, knit to Row 30. Transfer sts marked '*' onto adjacent N at left. Leave empty Ns in NWP. Cast off with waste yarn.
Push 82(87)(92)(97)(102)(107) Ns on knitter to WP. Arrange ribber Ns as shown on diagram. Pick up sts from below waste yarn and place onto Ns in WP. RC 000. Using col 1, knit to Row 92. Transfer sts marked '*' onto adjacent N at left. Leave empty Ns in NWP. Cast off with waste yarn.
Push 67(71)(75)(79)(83)(87) Ns on knitter to WP. Arrange ribber Ns as shown on diagram. Pick up sts from below waste yarn and place onto Ns in WP. RC 000. Using col 1, knit to Row 99(99)(104)(104)(109)(109).
Waistband
Transfer sts for 1 × 1 rib. MT-4, knit 15 rows. Cast off.

TO MAKE UP:
Do not press. Join seams. Join ends of elastic and sew inside waistband using herringbone st over elastic to form casing.

Lace punchcard for Knitmaster/Silver Reed machine.

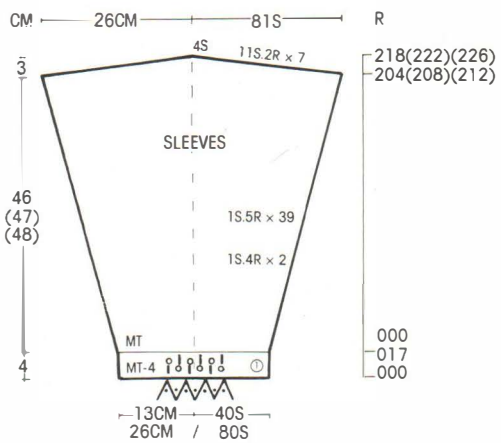


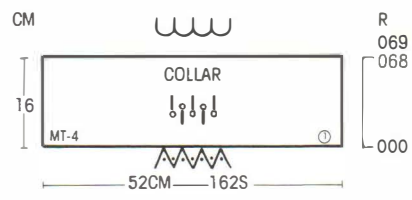
Pattern 4 *continued*

SLEEVES:
Push 40 Ns at left and right of centre 0 to WP. 80 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1. Using col 1, cast on. RC 000. MT-4, knit 17 rows. Transfer sts to knitter. RC 000. MT. Shape as shown on diagram. 162 sts. Knit to Row 204(208)(212).
Shape Top
Shape as shown on diagram to Row 218(222)(226). Mark centre with waste yarn. Cast off rem 8 sts.

COLLAR:
Arrange 162 Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-4, knit 68 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn.

TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves between marked points. Join side and sleeve seams. Backstitch collar into pos and join centre back neck seam reversing half of seam. Fold in half onto the outside. Give final light steam.





Pattern 15

PRIMROSES SWEATER

Another gorgeous spring flower has been used for this design. Fresh Primroses have been used throughout this sweater, but this punchcard design would look effective as a border to brighten up a plain sweater.

If you have any problems locating Tamm Trenzi 4ply, please write to the address below for local stockist and mail order information. Please quote this issue of Modern Machine Knitting.

Tamm Yarns, The House of Corbiere, Weston Road, Weston upon Trent, Derbyshire, DE7 2BH.

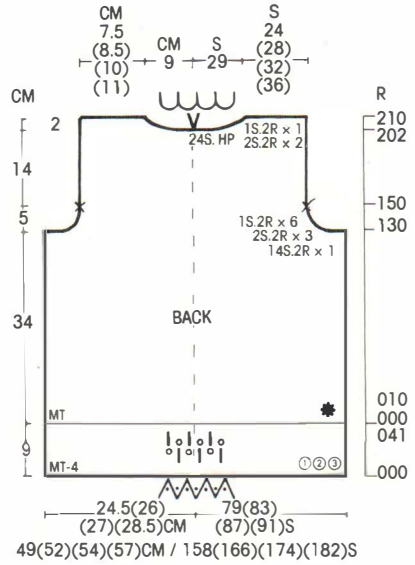
For Standard Gauge Punchcard & Electronic Machines with Ribbing Attachment.

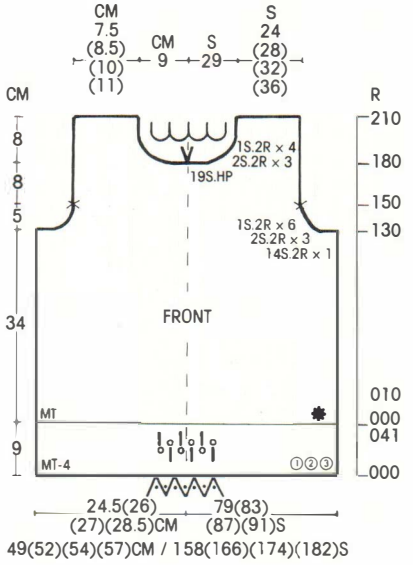
SIZES:
To fit 81(86)(91)(96) cms/ 32(34)(36)(38) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Tamm Trenzi 4ply
Col 1 (Black shade 3599) — 1 x 450 grm cone
Col 2 (Emerald shade 3584) — 90(100)(110)(120) grms
Col 3 (Lemon shade 3502) — 60(70)(80)(90) grms
Pair small black shoulder pads (optional).

TENSIONS:
Stockinet — 32 sts and 38 rows to 10 cms. TD at approx. 8 (MT)
Fair Isle — 32 sts and 38 rows to 10 cms. TD at approx. MT+1.

PATTERN NOTE:
Fair Isle — see charts.
Insert card 1 and lock on row 1. Take carr across twice without knitting. *Release card. Set carr for Fair Isle. MT+1. With col 1 in feeder 1 and col 2 in feeder 2, knit 1 row. With col 1 in feeder 1 and col 3 in feeder 2, knit 2 rows. With col 1 in feeder 1 and col 2 in feeder 2, knit 1 row. Insert card 2 and lock on row 1. Set carr for stockinet. MT. With col 1 in feeder 1, knit 8 rows. Release card. Set carr for Fair Isle. MT+1. With col 1 in feeder 1 and col 2 in feeder 2, knit 18 rows. With col 1 in feeder 1 and col 3 in feeder 2, knit 12 rows. Insert card 1 and lock on row 1. Set carr for stockinet. MT. With col 1 in feeder 1, knit 8 rows*. Rept from *to* reversing card 2. The last 100 rows form 1 complete pattern.

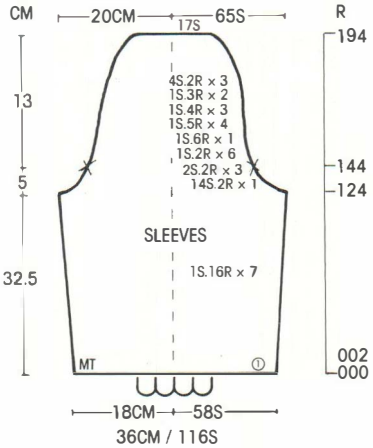


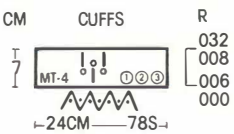


BACK:
Push 79(83)(87)(91) Ns at left and right of centre O to WP.
158(166)(174)(182) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 x 1 rib. Using col 2, cast on and knit 3 circular rows. RC 000. MT-4. Using col 1, knit 6 rows. Using col 3, knit 2 rows. Using col 1, knit 33 rows. Transfer sts to knitter. RC 000. MT, knit 10 rows.
Continue in pattern given in pattern note, knit to Row 130.
Shape Armholes
Shape as shown on diagram to Row 150. 106(114)(122)(130) sts. Mark both ends with waste yarn. Knit to Row 202.
Shape Back Neck
Note pos in pattern. Push Ns at left of centre O and 24 Ns at right of centre O to HP. Set russel levers to I. Shape as shown on diagram to Row 210. Cast off rem 24(28)(32)(36) sts. Push centre 48 Ns to UWP. Cast off with waste yarn. Using a transfer tool, push Ns from HP to WP. Keeping pattern correct, knit left part as for right part.

FRONT:
Knit as for Back to Row 180.
Shape Neck
Note pos in pattern. Push Ns at left of centre O and 19 Ns at right of centre O to HP. Set russel levers to I. Shape as shown on diagram to Row 210. Cast off rem 24(28)(32)(36) sts. Push centre 38 Ns to UWP. Cast off with waste yarn. Using a transfer tool, push Ns from HP to WP. Keeping pattern correct, knit left part as for right part.

SLEEVES:
Push 58 Ns at left and right of centre O to WP. 116 Ns altog. Using waste yarn, cast on. RC 000. MT. Using col 1, knit 2 rows. Continue in pattern given in pattern note





and shape as shown on diagram. 130 sts. Knit to Row 124.
Shape Top
Shape as shown on diagram to Row 194, but mark both ends with waste yarn on Row 144. 34 sts. Mark centre with waste yarn. Cast off.

CUFFS:
Arrange 78 Ns for 1 x 1 rib. Using col 2, cast on and knit 3 circular rows. RC 000. MT-4. Using col 1, knit 6 rows. Using col 3, knit 2 rows. Using col 1, knit 24 rows. Transfer sts to knitter. With wrong side of sleeve facing, pick up sts from below waste yarn and place onto Ns gathering evenly. MT, knit 1 row. Cast off.

Continued on page 52

SPRING BORDER SWEATER

Cotton has always been a lovely fibre to wear and this super lace and Fair Isle sweater uses it to its best. The lovely punchcard design of spring flowers makes a colourful and fresh border. Hand lace has been produced by transferring a stitch to an adjacent needle then leaving it in non-working position for the required amount of rows to produce a hole and ladder effect on the fabric.

If you have any problems locating King Cole Cool Cotton and Anti-Tickle 4ply, please write to the address below for local stockist information. Please quote this issue of Modern Machine Knitting.

King Cole Ltd. Merrie Mills, Old Souls Way, Bingley, W. Yorks. BD16 2AX.

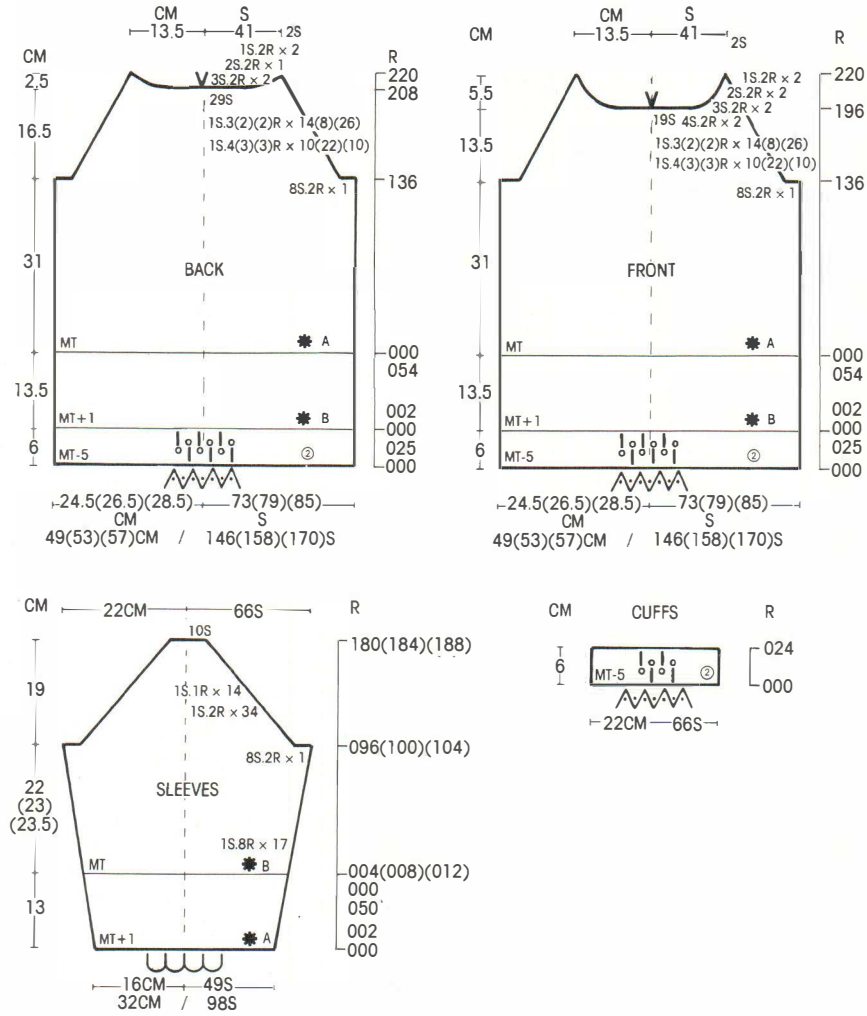
For Standard Gauge Punchcord Machines with Ribbing Attachment.

SIZES:
To fit 81-86(91-96)(101) cms/32-34(36-38)(40) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Col 1 (White) — 400(425)(450) grms (King Cole Cool Cotton)
Col 2 (Linden) — 100(120)(140) grms (King Cole Anti-Tickle 4ply)
Col 3 (Coral) — 30 grms (King Cole Anti-Tickle 4ply)
Col 4 (Mandarin) — 20 grms (King Cole Anti-Tickle DK)

TENSION:
Pattern A — 30 sts and 44 rows to 10 cms. TD at approx. 8 (MT).

PATTERN NOTE:
Pattern A — hand transfer lace pattern. See chart. *Knit 4 rows lace pattern, knit 40 rows stockinet*. Rept from *to* throughout. Pattern B — Fair Isle. See chart. Col 1 in feeder 1, Col 2 in feeder 2, knit 36 rows. Col 1 in feeder 1, Col 3 in feeder 2, knit 12 rows.



BACK:
Push 73(79)(85) Ns at left and right of centre 0 to WP. 146(158)(170) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 2, cast on. RC 000. MT-5, knit 25 rows. Transfer sts to knitter. RC 000. MT. Knit 2 rows col 2. MT+1. Continue in Fair Isle Pattern B, knit 48 rows. MT. Knit 4 rows stockinet col 1. RC 50. RC 000. Continue in Pattern A, knit 136 rows.
Shape Raglan Armholes
Shape as shown on diagram to Row 208.
Shape Back Neck
Shape as shown on diagram to Row 220. Cast off rem 2 sts. Knit left part as for right part.

FRONT:
Knit as for Back to Row 196.
Shape Neck
Shape as shown on diagram. Knit to Row 220. Cast off rem 2 sts. Knit left part as for right part.

SLEEVES:
Push 49 Ns at left and right of centre 0 to WP. 98 Ns altog. Using waste yarn cast on. RC 000. MT. Using col 2, knit 2 rows stockinet. Shape as shown on diagram, AT THE SAME TIME MT+1. Continue in Fair Isle Pattern B, knit 48 rows. RC 50. RC 000. MT. Continue in Pattern A to Row 96(100)(104). 132 sts.
Shape Raglan Top
Shape as shown on diagram to Row 180(184)(188). Cast off rem 20 sts.

CUFFS:
Arrange 66 Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 24 rows. Transfer sts to knitter. With wrong side of Sleeve facing, pick up sts from below waste yarn and place onto Ns gathering evenly. MT+2, knit 2 rows. Cast off.

NECK BORDER:
Using waste yarn cast on 194 sts. RC 000. MT. Using col 1, knit 3 rows. Knit 4 rows lace pattern. Knit 3 rows stockinet. Cast off with waste yarn.

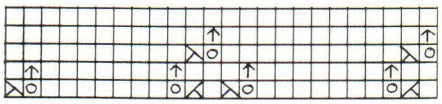
Continued on page 52

Pattern 16 *continued*

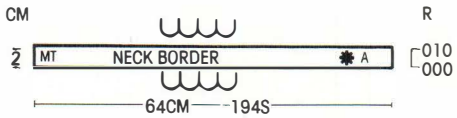
NECKBAND:
Arrange 147 Ns for 1 × 1 rib. Using col 2, cast on. RC 000. MT-5, knit 24 rows. Transfer sts to knitter. With wrong side of neck border facing, pick up sts from below waste yarn on cast off edge and place onto Ns gathering evenly. MT+2, knit 1 row. Cast off.

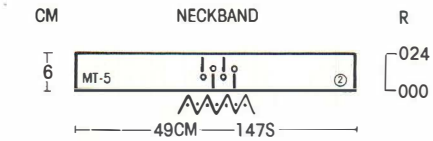
TO MAKE UP:
Pin out to size and steam carefully. Join raglan, side and sleeve seams. Backstitch neckborder into pos. Join back neck seam. Fold neckband into half onto the inside and catch down into pos. Swiss darn border as shown on chart.

Pattern A

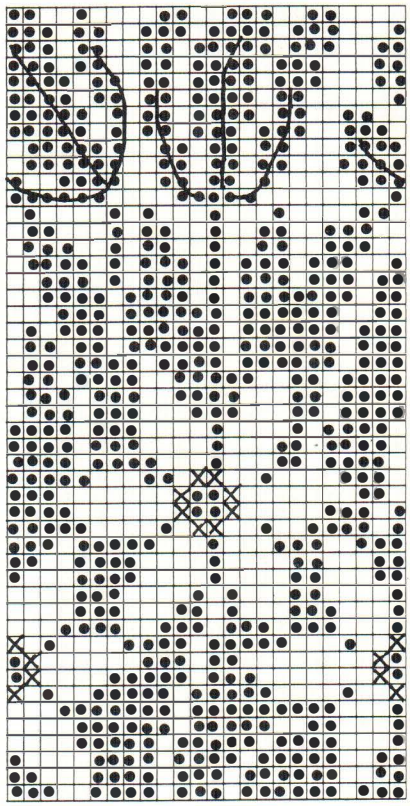


Transfer st to left and leave empty Ns in N.W.P.
Transfer st to right and leave empty Ns in N.W.P.
Knit 2 rows. Return empty Ns to W.P.





Pattern B



Pattern 15 *continued*

NECKBAND:
Join one shoulder seam. Push 166 Ns to WP. With wrong side facing, pick up sts around neck edge and place onto Ns. RC 000. MT. Using col 1, knit 1 row. Transfer sts to ribber for 1 × 1 rib. MT-2, knit 6 rows. MT-3, knit 6 rows. MT-4, knit 4 rows. MT-3, knit 6 rows. MT-2, knit 6 rows. Transfer sts to knitter. Cast off sts taking yarn behind gate pegs.

TO MAKE UP:
Pin out to size and steam carefully. Join second shoulder and side seams. Set in sleeves, matching marked points and making a pleat at shoulder. With wrong sides tog, join neckband seam. Fold in half to right side and backstitch in place close to cast off edge. Sew in shoulder pads. Give final light steam.

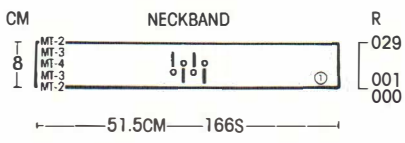


Chart 1

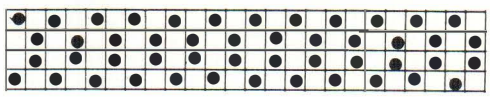
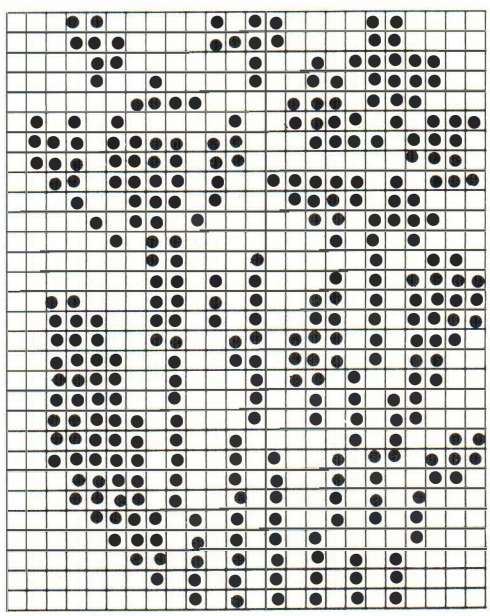


Chart 2



LACE SHAWL

This traditional lace shawl has been knitted in bright pink to give it a more modern look. Wear it over a plain sweater or with your favourite jacket.

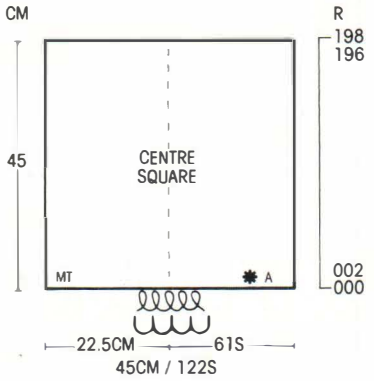
For Knitmaster/Silver Reed Standard Gauge Machines with Lace Carriage.

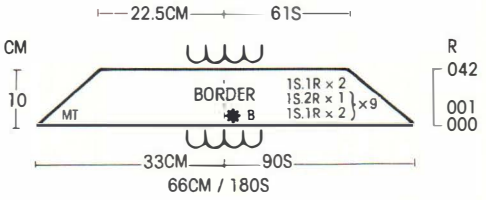
SIZE:
Approx. 66 cms x 66 cms.

APPROXIMATE YARN TYPES AND AMOUNTS:
4ply
Col 1 (Bright Pink) — 150 grms.

TENSIONS:
Lace Pattern A — 27 sts and 43 rows to 10 cms. TD at approx. 5 (MT).
Lace Pattern B — 27 sts and 43 rows to 10 cms. TD at approx. MT.

PATTERN NOTE:
Lace Pattern A — see chart A (plain lace).
Lace Pattern B — see chart B (fashion lace).





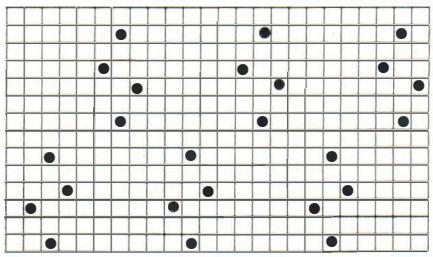
CENTRE SQUARE:
Push 61 Ns at left and right of centre O to WP. 122 Ns altog. Using waste yarn, cast on. Push Ns to HP. Using col 1, cast on by hand. Push Ns to UWP. RC 000. MT. Using main carr. Knit 2 rows stockinet. Change to lace carriage. Continue in Pattern A, knit to Row 196. Set carr for stockinet. Knit 2 rows. Cast off.

BORDER (knit 4 pieces):
Push 90 Ns at left and right of centre O to WP. 180 Ns altog. Using waste yarn, cast on. Push Ns to HP. Using col 1, cast on using chain stitch method (see page 61). RC 000. MT. Using main carr. Knit 1 row stockinet. Change to lace carriage. Continue in Pattern B, shape as shown on diagram. 122 sts. Knit to Row 42. Set carr for stockinet. Cast off with waste yarn.

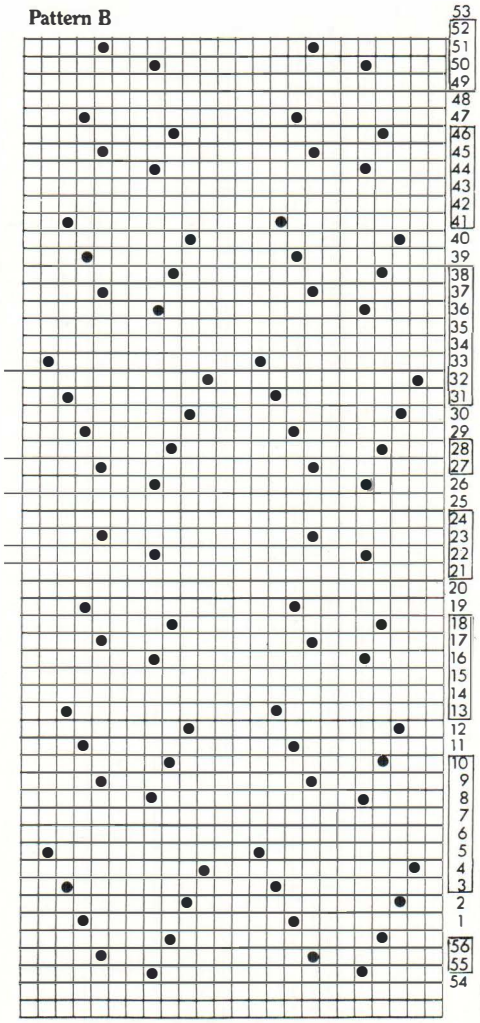
TO MAKE UP:
Pin out to size and steam carefully, pinning cast on edge of border into points. Backstitch border pieces into pos around main piece and join corner seams. Give final light steam.

Continued on page 61

Pattern A



Pattern B



Pattern 17

INTARSIA CARDIGAN

This useful jacket style cardigan has been knitted in a lovely textured yarn to create an interesting intarsia design. Or knit it plain to co-ordinate with all of your wardrobe. We have converted Patons handknitting leaflet no. 4361 to enable you to knit it on your Chunky machine.

If you have any problems locating Patons Pure Wool Crepe DK or Patons Moonrise, please write to the address below for local stockist information. Please quote this issue of Modern Machine Knitting.

Patons & Baldwins Ltd,
P.O. Box Darlington,
Co. Durham.
DL2 2YQ.

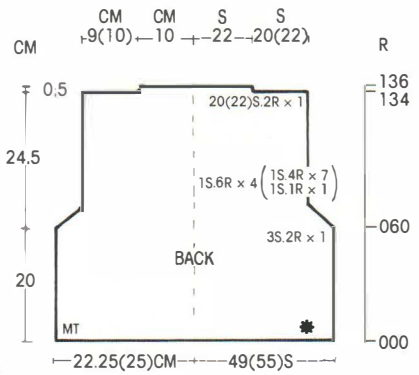
For 9mm Chunky Machines with Intarsia Carriage and Ribbing Attachment.
If you have an Option 4 machine, please send SAE requesting the Option 4 version of this pattern.

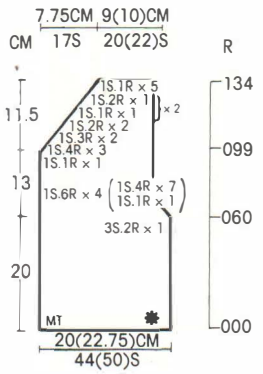
SIZES:
To fit 81-86(91-96) cms/32-34(36-38) inch bust.

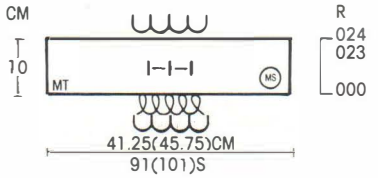
APPROXIMATE YARN TYPES AND AMOUNTS:
MS (shade 6496) — 5 x 50 grm balls (Patons Pure Wool Crepe DK)
C (shade 6101) — 2(3) x 50 grm balls (Patons Moonrise)
7 buttons..

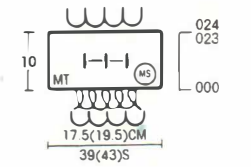
TENSIONS:
Intarsia or Stockinet — 22 sts and 30 rows to 10 cms. TD at approx. 0 (MT)
K1P1 Rib — 24 rows to 10 cms. TD at approx. MT.

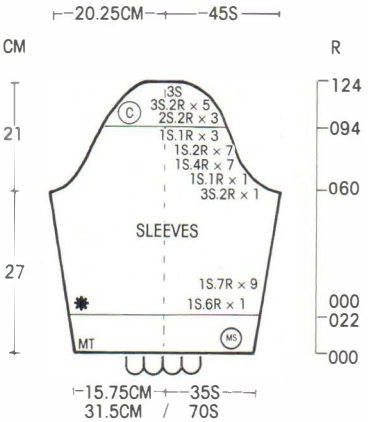
PATTERN NOTE:
Intarsia — follow chart.

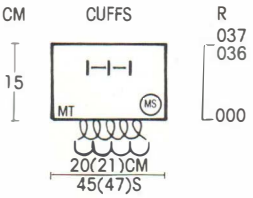












BACK:
Push 91(101) Ns to WP. Using waste yarn, cast on. Push Ns to HP. Using MS, cast on by hand. Push Ns to UWP.
RC 000. MT, knit 24 rows. Drop ev alt st 24 rows down and pick up as for ribbing. Knit 1 row. Cast off with waste yarn. Push 49(55) Ns at left and right of centre 0 to WP. 98 (110) Ns altog. Carr at right. Pick up sts from below waste yarn and place onto Ns increasing evenly. RC 000. Continue in Intarsia Pattern, knit to Row 60.
Shape Armholes
Shape as shown on diagram. 84(88) sts. Knit to Row 134.
Shape Shoulders
Shape as shown on diagram to Row 136. Cast off rem 44 sts.

RIGHT FRONT:
Push 39(43) Ns to WP. Using waste yarn, cast on. Push Ns to HP. Using MS, cast on by hand. Push Ns to UWP. RC 000. MT, knit 24 rows. Drop ev alt st 24 rows down and pick up as for ribbing. Knit 1 row. Cast off with waste yarn. Push 44(50) Ns to WP. Carr at right. Pick up sts from below waste yarn and place onto Ns increasing evenly. RC 000. Continue in Intarsia Pattern, knit to Row 60.
Shape Armhole
Shape as shown on diagram. 37(39) sts. Knit to Row 99.
Shape Front Edge
Shape as shown on diagram to Row 134. Cast off rem 20(22) sts.

LEFT FRONT:
Knit as for Right Front but in reverse.

SLEEVES:
Push 35 Ns at left and right of centre 0 to WP. 70 Ns altog. Using waste yarn, cast on. RC 000. MT. Using MS, shape as shown on diagram to Row 22. 76 sts. RC 000. Continue in Intarsia Pattern to Row 60. 90 sts.
Shape Top
Shape as shown on diagram to Row 94. Continue in stockinet and C to Row 124. Cast off rem 6 sts.

CUFFS:
Push 45(47) Ns to WP. Using waste yarn, cast on. Push Ns to HP. Using MS, cast on by hand. Push Ns to UWP. RC 000. MT, knit 36 rows. Drop ev alt st 36 rows down and pick up as for ribbing. With wrong side of sleeve facing, pick up sts from below waste yarn and place onto Ns gathering evenly. Knit 1 row MT+4. Cast off.

Continued on page 58

HOW TO WORK FROM A DIAGRAM PATTERN

The pattern instructions in Modern Knitting are in the form of a diagram pattern, which is by far the easiest form of knitting pattern to use. However, if you are not familiar with diagram patterns, Here's a step by step guide which will teach you to use this easy-to-follow pattern system. Study the symbols on next page carefully then work through the diagram following the written explanation alongside. You'll find it quite straightforward and, once you have knitted your first couple of patterns using this system, you'll wonder how you ever coped with those long winded written patterns.

First of all, take a look at the diagram itself. The diagram is divided into two halves. On the right side you'll find all the stitch and row references while on the left side you can see we've given all the measurements which will help you when pinning your knitted pieces out to size. In addition, you'll find certain items of information on the diagram such as the needle arrangement for the rib, the type of cast on you should do and any other relevant information you might need. As you can imagine, once you are familiar with this type of pattern, you'll be able to see at a glance just what's involved in the knitting of each design without having to read the whole pattern.

Starting at the lower edge, your first instruction is ∧∧∧∧ 60S. This tells you to cast on 60 stitches using the ribber.

ı|ı|ı|ı|ı tells you to arrange the needles for a 1 × 1 rib.

000 at the bottom right hand corner tells you to set your Row Counter to 000.

MT-3 tells you to set your Tension Dial to 3 numbers lower than the Main Tension.

The first row number given is 006, so knit to row 6.

The line across the diagram at row 6 tells you that you have finished knitting the rib, so transfer the stitches from the ribber to the main machine.

000 at the right hand edge tells you to turn your Row Counter back to 000.

MT tells you to set your Tension Dial to the Main Tension. Continue knitting until your next instruction which is on row 40.

The diagram pattern shows you that you are now at the stage for shaping the armholes. **Although the shaping instructions are shown on one side of the diagram only, they should be worked on both sides, since the diagram shows there is the same armhole shape on the left side.** If you find it easier to begin with, pencil in the same instructions on the left side to remind you that you have only been given the instructions for one armhole.

1S.1R×2 is the instruction.

1S tells you how many stitches to decrease.

1R tells you how many rows after each decrease.

×2 tells you how many times to decrease.

Therefore, 1S.1R×2 means:-

Decrease 1 stitch on both sides (you are repeating the shaping instructions for the left armhole). Knit one row.

Decrease 1 stitch on both sides, knit 1 row.

The next instruction is 1S.2R×1. Therefore, decrease 1 stitch on both sides (you are repeating the shaping instructions for the left armhole). Knit 2 rows.

The next instruction is 1S.3R×2.

Therefore, decrease 1 stitch on both sides (you are repeating the shaping instructions for the left armhole). Knit 3 rows.

Decrease 1 stitch on both sides. Knit 3 rows.

Your next instruction is not until Row 68 therefore knit to row 68 without shaping.

The diagram pattern shows you that you are now at the stage for shaping the neck.

The symbol ▼ tells you to divide the work in half and knit each side separately.

Therefore, either push the needles at left into holding position, or knit them onto waste yarn and remove from the machine. Now knit the right side as follows: —

5 S tells you that 5 stitches form the base of the neckedge.

Therefore, using a length of main yarn, cast off 5 stitches.

Your next instructions are for the neck shaping

2S.2R × 1
1S.2R × 2
1S.1R × 1

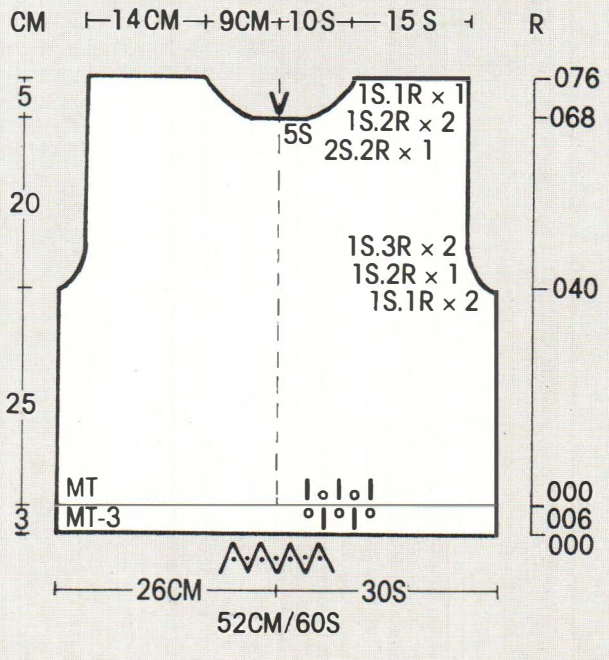
and should be carried out in the same way as before.

The last instruction is on row 76 where the straight line shows you should cast off the remaining 15 stitches.

Then, of course, you must turn the Row Counter back to 68 and knit the left half of the neck in the same way.

For those of you who are new to diagram patterns, the important points to remember are: —

1. The stitch, row and shaping references are on the right half of the diagram.
2. Shaping instructions are given for the right side of the diagram only. They should be repeated on the left if the diagram shows there is the same shape on the left.
3. A shaping instruction such as 2S.1R × 3 means decrease 2 stitches, knit 1 row, 3 times in all.
4. Don't worry too much if you find you're the odd row or stitch out on your first couple of attempts. Nobody will notice and you'll soon get the hang of using diagram patterns and wonder how you ever managed without them.



SYMBOLS FOR THE DIAGRAMS

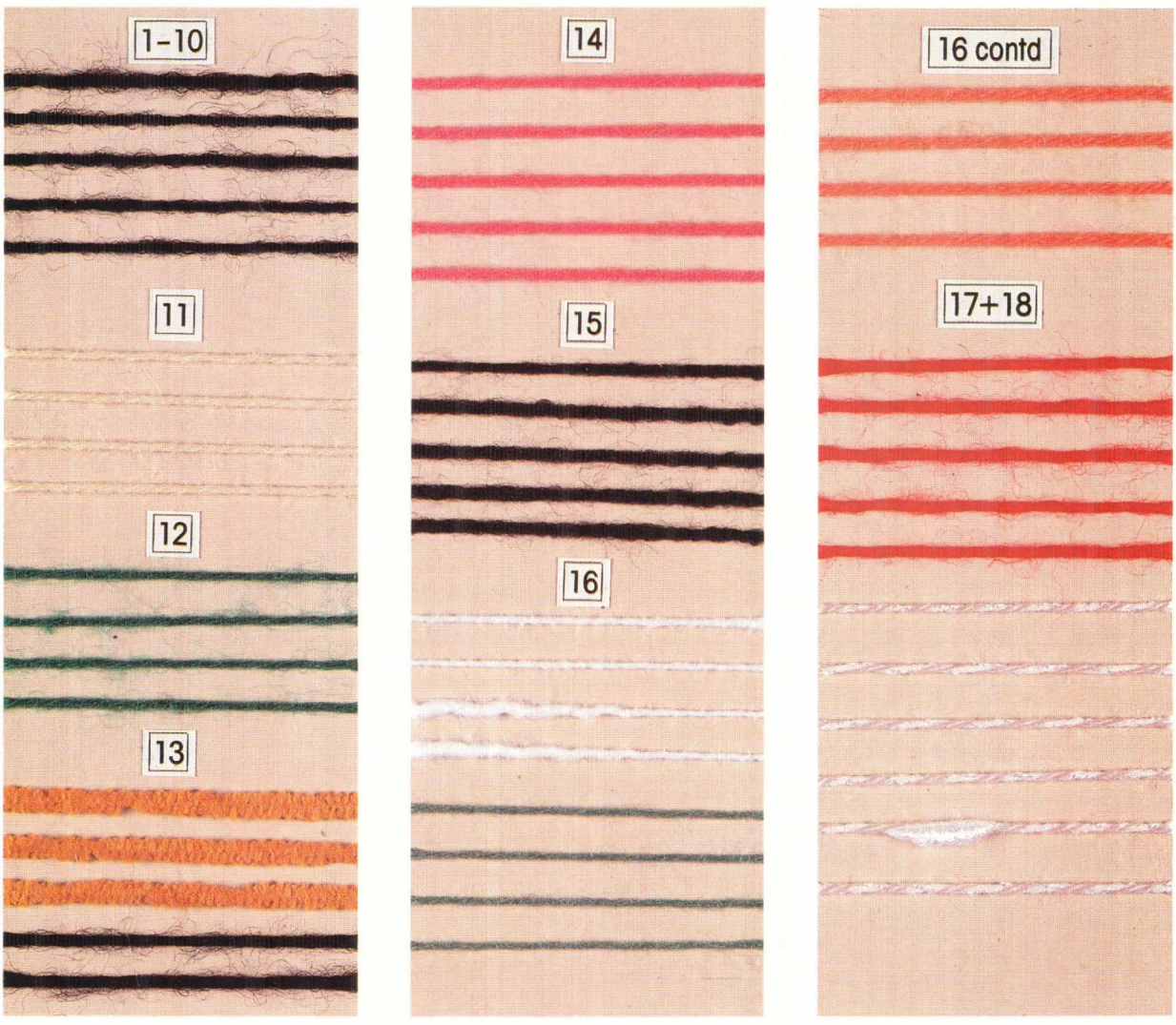
Closed edge cast-on	Turn up a hem
Cost-on using waste yarn	Pattern stitch
Closed edge cast-on with ribber	R — Row
Loose row	MT — Main Tension
Needle arrangement 1 = needle in work position 0 = needle in non-work position	V — Divide work in half and knit each side separately
S = Stitches	Repeat
( ) Larger sizes	2S.2R x 3 is an example of shaping instructions shown on the diagram. The shape of the diagram will indicate whether you ore required to increase or decrease. 2S.2R x 3 would mean decrease (or increase) 2 stitches, knit 2 rows, 3 times in all.
① Colour	

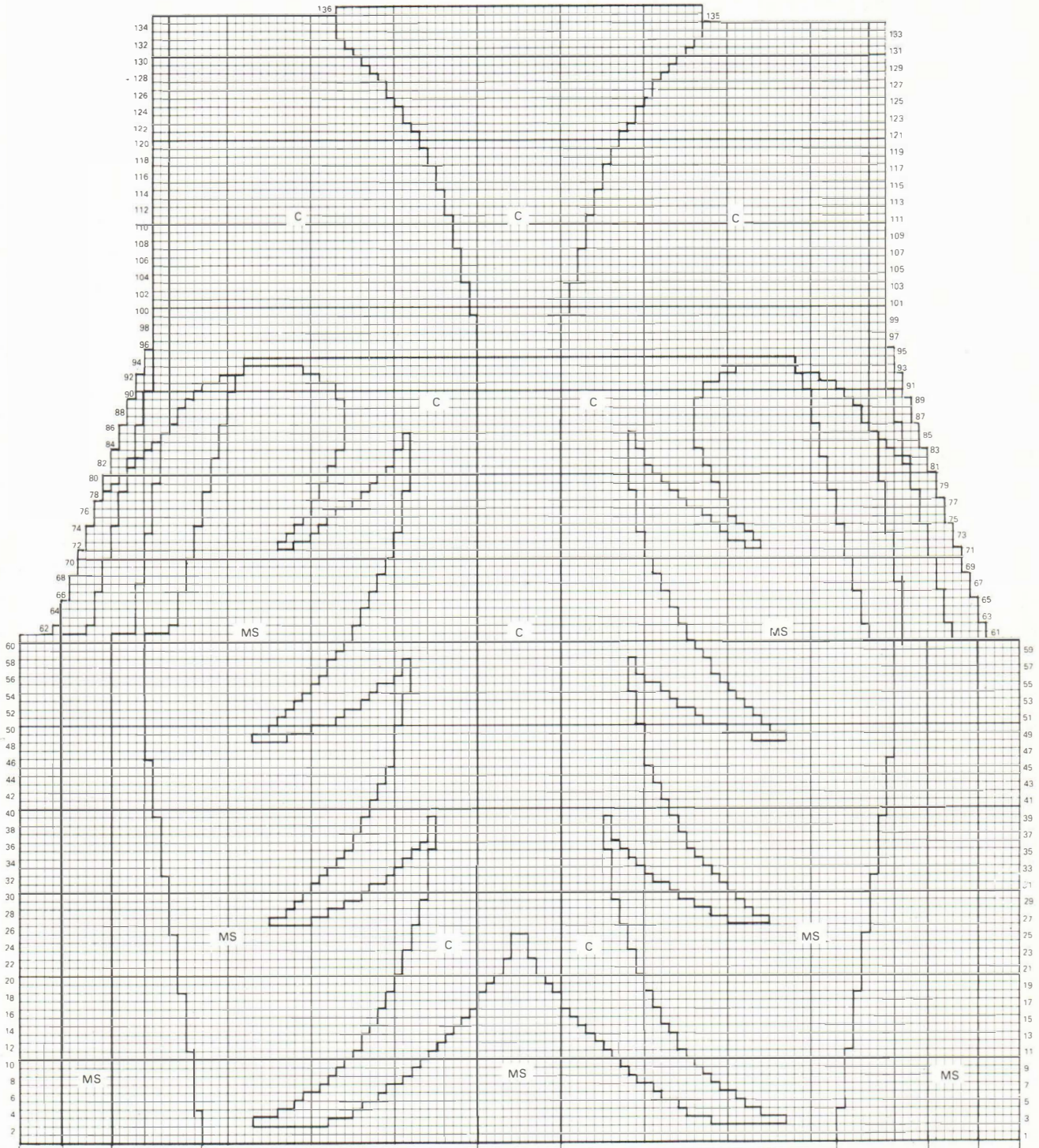
Abbreviations

Alt	— Alternate
Approx	— Approximately
Beg	— Beginning
Corr	— Carriage
Cm(s)	— Centimetre(s)
Col	— Colour
Dec	— Decrease
Ev	— Every
Foll	— Following
HP	— Holding Position
Inc	— Increase
MT	— Main Tension
N	— Needle
Ns	— Needles
NWP	— Non Working Position
Patt	— Pattern
Pos	— Position
Rept	— Repeat
Rem	— Remaining
RC	— Row Counter
St	— Stitch
Sts	— Stitches
TD	— Tension Dial
Tog	— Together
UWP	— Upper Working Position
WP	— Working Position

YARNS USED IN THE PATTERNS

For your reference we have included an actual size representation of the yarns we have used in the patterns this month. You may find it useful to see how each particular yarn looks before it has been knitted into a garment and it will be particularly useful when we haven't quoted a brand of yarn, simply a type of yarn.
Our overseas readers will also find it helpful since not all the yarns will be available in all countries. However, having said that, it will certainly be worthwhile writing to the spinners listed in our Stockist Information to see if there is an overseas mail order service available.





81-86 cm SLEEVE

91-97 cm size SLEEVE

102-107 cm size SLEEVE

81-86 cm size LEFT FRONT

91-96 cm size LEFT FRONT

101-106 cm size LEFT FRONT

81-86 cm size RIGHT FRONT

91-96 cm size RIGHT FRONT

101-106 cm size RIGHT FRONT

81-86 cm size BACK

91-97 cm size BACK

102-107 cm size BACK

Continued on page 63

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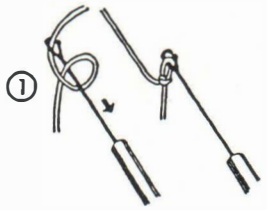
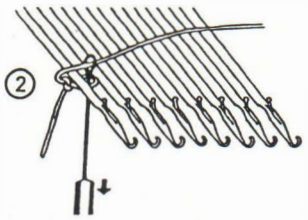
CHAIN STITCH CAST ON – USING THE LATCH TOOL

A Chain Stitch Cast On give a lovely neat edge, which is ideal when the cast on edge is going to be seen on the right side of your knitting.

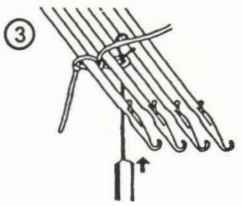


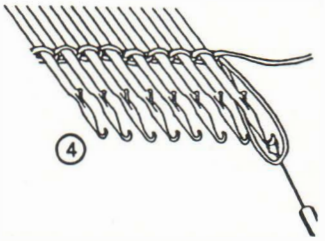
1. Make a stitch in the main yarn using the Latch Tool as shown.



2. Push the required number of needles to Holding Position. Starting at the left edge, insert the Latch Tool between the first two needles. With the original stitch behind the latch of the Latch Tool, pull the yarn through the stitch to form a new stitch.

3. Insert the Latch Tool between the 2nd and 3rd needles and repeat the same procedure as in step 2. Continue in the same way until all the needles have a chain stitch on them.





4. Hook the final stitch onto the last needle as shown. Close the latches of the needles. With the carriage at the right, thread the yarn into the feeder and set the carriage to knit needles in Holding Position. Knit one row.

Note: If you're going straight into pattern knitting after the Chain Stitch Cast On, you'll find it easier if you have some waste knitting to hang weights from. To do this, simply cast on and knit some waste yarn in the normal way and then make the Chain Stitch Cast On as explained. You'll have a waste yarn stitch and a new chain stitch on each needle. Remove the waste yarn in the normal way after you've finished knitting.

Tip: Don't make your chain stitches too tight.

Modern Machine Knitting

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Pattern 17 *continued*

BACK NECKBAND:
Push 45 Ns to WP. Using waste yarn, cast on. Push Ns to HP. Using C, cast on by hand. Push Ns to UWP. RC 000. MT. Knit 12 rows. Drop ev alt st 12 rows down and pick up as for ribbing. Knit 1 row. Cast off with waste yarn.

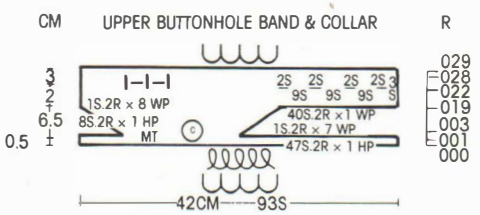
UPPER BUTTONHOLE BAND AND COLLAR:
Push 93 Ns to WP. Using waste yarn, cast on. Push Ns to HP. Using C, cast on by hand. Push Ns to UWP. RC 000. MT. Knit 1 row. Drop ev alt st and pick up as for ribbing. Keeping rib correct, push Ns shown on diagram to HP on next 2 rows. 38 Ns rem in WP. Using a transfer tool, push Ns shown on diagram from HP to WP to Row 19. All Ns back in WP. Knit to Row 22. Make buttonholes over Ns shown on diagram. Knit to Row 28. Drop and reform sts as before. Knit 1 row. Cast off with waste yarn.

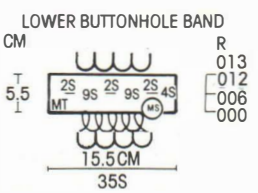
UPPER BUTTON BAND AND COLLAR:
Knit as for Upper Buttonhole Band and Collar but in reverse and omit buttonholes.

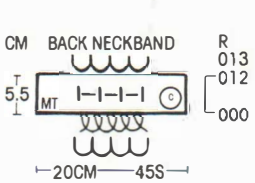
LOWER BUTTONHOLE BAND:
Push 35 Ns to WP. Using waste yarn, cast on. Push Ns to HP. Using MS, cast on by hand. Push Ns to UWP. RC 000. MT. Knit 6 rows. Drop ev alt st 6 rows down and pick up as for ribbing. Make buttonholes over Ns shown on diagram. Knit to Row 12. Drop ev alt st and pick up as for ribbing. Knit 1 row. Cast off with waste yarn.

LOWER BUTTON BAND:
Knit as for Lower Buttonhole Band omitting buttonholes.

TO MAKE UP:
Join shoulder seams. Set in sleeves matching pattern and easing where necessary. Join side and sleeve seams. Join band seams and backstitch into pos matching colours. Finish buttonholes and sew on buttons to correspond.







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